November 2001

Hot Button Book

Hot Button Book

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Choose freedom.

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Choose freedom.

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Specifications and features are subject to change without notice.

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What's the Hot Button Book?

The Hot Button Book
is a quick Toshiba sales reference. It contains everything you need to explain the advantages of Toshiba and Toshiba products. A quick look in the Hot Button Book before a sales presentation will remind you of the main strengths of Toshiba products in comparison with the competition.

Toshiba has provided a list of "Hot Buttons" to be used to better sell its products. These are arguments you can use when the discussion over the relative merits of various products becomes heated. By pushing these "Hot Buttons" you can quickly point out the strengths of Toshiba's offering.

The Hot Button Book provides up-to-date information in a condensed form. We hope that it is an effective sales tool and welcome all suggestions for improvement.

The shown products cover all configurations available in Europe. Some of them are not available in every country. Please take a look in your country specific roadmap

Toshiba Corporation

Founded in 1875

Revenue US $47 billion
(FY 2000)

188,000 employees (FY 2000)

$2.6 billion spent on R&D
(FY 2000)

217 subsidiaries and
affiliates world-wide

Toshiba in Europe

Over 30-year presence in Europe

35 European subsidiaries

4 production sites
Dieppe, France:
photocopiers
Regensburg, Germany:
mobile computers,
desktop computers, server,
PCBs
Braunschweig, Germany:
semiconductors
Plymouth, England:
televisions, VCRs,
air-conditioning equipment

Computer Systems Group (CS)

Markets mobile computers,
desktop computers and
servers in Europe

8 Toshiba companies &
28 distributors in Europe, Middle
East and Africa

World-wide market leader
in mobile computing since 1985

Over 6,000,000 mobile
computers sold in Europe

17.5 million mobile computers
sold world-wide since 1985

TOSHIBA

Toshiba...

10

...specialises in mobile computing solutions.

...is certified under ISO 9002 for stringent quality control standards.

...develops its own technologies such as hard disk drives, DVDs, CD-ROMs, ASICs, TFT colour screens, batteries and chip sets.

...has a comprehensive business and service network throughout the world.

...has a consistent record of innovation in mobile computers.

...emphasises ergonomics and user-friendliness.

...uses only the highest quality components.

...has been the world-wide market leader in mobile computing since 1985.

...offers a comprehensive International Warranty on mobile computers

...has over 15 years experience serving major corporations.

Satellite 1800 series:

The easy step into next-generation mobile multimedia.

Powerful mobile multimedia computing has never been more affordable than with the brilliant Satellite 1800 notebooks. Ready to use out of the box, these high-performance machines are fully equipped to handle any task – from keeping track of your personal finances to running the most demanding business, multimedia or games applications. Innovative one-touch keys make it quick and simple to get online, play films or listen to music. They are slim and light for easy carrying – and come at a price to suit any budget.

Why choose the Satellite 1800 series?

- Unbeatable combination – quality, performance and value
- Ready to use – with an extensive range of pre-installed software
- Easy multimedia – fast, one-touch connection
- Great technology – equipped for easy communication
- Stylish & lightweight – work or play anywhere, anytime

Satellite 1800-204 / PS181E-0E48C-xx*
C 1 GHz/13.3" TFT/10GB/64MB/CD
Satellite 1800-504 / PS181E-06EUU-xx*
C 1 GHz/14.1" TFT/15GB/128MB/DVD
Satellite 1800-514 / PS183E-004TV-xx**
C 1 GHz/14.1" TFT/15GB/128MB/DVD
Satellite 1800-804 / PS181E-0CCFJ-xx*
PIII 1 GHz/14.1" TFT/20GB/128MB/DVD
Satellite 1800-814 / PS183E-0022T-xx**
PIII 1,1 GHz/14.1" TFT/20GB/128MB/DVD

* Windows® Me, ** Windows® XP Home Edition

Satellite 1800 series

Specifications at a glance

Processor
Intel® Celeron™ processor, 100 MHz Front Side Bus, 128 KB 2nd level cache/
Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed
1 GHz/1,1 GHz

Display
13.3" (33.8 cm)/14.1" (33.8 cm) TFT colour screen, 1,024 x 768 x 16.7 million colours

Hard disk
10.0 GB[1]/15.0 GB[1]/20.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 64 MB/128 MB SDRAM, expandable to 512 MB/1,024 MB

CD-ROM, DVD-ROM
24-speed (max.), 12 cm (5.25") integrated CD-ROM drive/
8-speed, 12 cm (5.25") integrated DVD-ROM drive

Diskette drive
3.5" 1.44 MB/720 KB

Graphics adapter
Integrated 64-bit AGP graphics accelerator, BitBIT, 3D graphics acceleration, 8 MB/16 MB Video RAM

Keyboard
86 keys, Touch pad, 4 Easy Keys (Internet browser launch, CD/DVD/MP3 player keys), inlaid numeric keypad, 8 Hot Keys, Windows® key, Euro key

Communication
Integrated international V. 90 modem (56 Kbps data, 14.4 Kbps fax)[2]/ integrated LAN (Ethernet, 100Base-TX, 10Base-T)

Sound system
Toshiba Bass Enhanced Sound System, 16-bit stereo Sound Blaster Pro compatible, built-in stereo speakers, MIDI and 3D sound support

Interfaces
Serial, parallel, PS/2™, external monitor, 2 USB ports, infrared, TV-out port, headphone, external microphone

Expansion
2 x PC Card type II or 1 x PC Card type III, memory expansion

Power supply
Autosensing 100–240 V AC adapter for worldwide usage

Battery
Removable Lithium-Ion battery, up to 2.5 hours battery life

Bundled software
Windows® Millennium, Microsoft Works Suite® 2001, Win DVD (only with Satellite 1800-504, 1800-804), online user manual/
Windows® XP Home Edition, Microsoft Works Suite® 2001, Win DVD, online user manual

Special features
System password security

Size (W x D x H) / weight
317 x 279.5 x 39.5 (front) / 45.3 (back) mm, 3.17 kg

Warranty
1-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Satellite 3000 series:

Amazing performance, stunning multimedia – anywhere, anytime.

No need to sacrifice mobility to enjoy fabulous multimedia performance. The Satellite 3000 notebooks are ultra-slim so they travel with you wherever you go. Yet they boast the most advanced technology for breathtaking graphics and sound. Want to surf the net, play music or watch a film? These notebooks make it happen at the touch of a button. They are incredibly flexible too, allowing you to swap components in an instant to suit any task. You will never be out of touch either – just connect anywhere in the world for rapid e-mail and Internet access.

Why choose the Satellite 3000 series?

- Great technology – power and speed to run any appplication
- Stunning multimedia – handles games, graphics, DVD, music and more
- Modular flexibility – Easily customised to meet specific needs
- On-board communications – stay in touch, get connected anywhere
- Ultra-slim, lightweight design – for ultimate flexibility and portability

Satellite 3000-214 / PS302E-00EU5-xx**
PIII-M 933 MHz/14.1" TFT/20GB/256MB/CD-RW/DVD
Satellite 3000-504 / PS302E-00QZ1-xx*
PIII-M 1 GHz/14.1" TFT/20GB/256MB/CD-RW/DVD
Satellite 3000-514 / PS302E-00QZ5-xx**
PIII-M 1 GHz/14.1" TFT/20GB/256MB/CD-RW/DVD

* Windows® Me, ** Windows® XP Home Edition

Satellite 3000 series

Specifications at a glance

Processor
Mobile Intel® Pentium® III-M processor with SpeedStep™ technology, 133 MHz Front Side Bus, 512 KB 2nd level cache

Clock speed
933 MHz/1 GHz

Display
14.1" (33.8 cm) TFT colour display, 1,024 x 768 x 16.7 million colours

Hard disk
20.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 256 MB SDRAM, expandable to 512 MB

CD-RW/DVD-ROM drive
Integrated drive, exchangeable with ModularBay diskette drive, 12 cm (5.25") disks, CD-R (4x), CD-RW (4x), CD-ROM (24x), DVD-ROM (8x)

Diskette drive
3.5" 1.44 MB / 720 KB module, exchangeable with ModularBay DVD-ROM/CD-RW drive or other optional modules

Graphics adapter
NVIDIA GeForce2Go 64-bit AGP graphics accelerator, BitBIT, 3D graphics acceleration, 16 MB unshared Video RAM

Keyboard
86 keys, Touch pad, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key, Multimedia Bar with DVD-ROM/CD-RW/MP3 player function, 4 Easy Keys (Previous, Play/Pause, Stop, Next), internet browser launch button, Toshiba Console button (user-programmable)

Communication
Integrated international V. 90 modem (56 Kbps data, 14.4 Kbps fax)[2], integrated LAN (Ethernet, 100Base-Tx, 10Base-T)

Sound system
Toshiba Bass Enhanced Sound System, Crystal CS4299-A, 16-bit stereo Sound Blaster Pro compatible, MIDI & 3D Sound support, built-in stereo speakers

Interfaces
Parallel, 3 USB ports, external monitor, infrared, headphone, external microphone, s-Video, RJ-11 modem port, "I-Link" (IEEE 1394) port, RJ-45 LAN connector, SmartMedia slot

Expansion
2 x PC Card type II or 1 x PC Card type III, memory expansion

Power supply
Autosensing 100~240 V AC adapter for worldwide usage

Battery
Removable Lithium-Ion battery, up to 3.5 hours battery life

Bundled software
Windows® XP Home Edition/ Windows® Millennium, Microsoft Works Suite® 2001, Win DVD, Easy CD Creator, Toshiba Hibernation Utility, online user manual

Bundled hardware
TV cable, ModularBay diskette drive

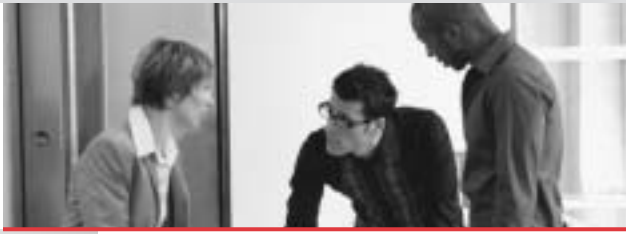
Size (W x D x H) / weight
306 x 266 x 35.5 mm, 2.6 kg

Warranty
1-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Satellite 5000 series:

Taking high-powered mobile multimedia to another level.



Mobile multimedia computing doesn't get any better than this. The Satellite 5000 notebooks feature phenomenal power and speed to support the most demanding business applications, graphics and gameplay. Extraordinary NVIDIA GeForce2Go graphics, Dolby Digital Surround Sound and Harman/Kardon speakers combine to deliver an incredible digital multimendia experience on the move. Also on board are the most comprehensive communication features ever seen on a notebook, providing an unprecedented choice of ways to stay in touch wherever work or play takes you.

Why choose the Satellite 5000 series?

- Superior digital media technology – for an astonishing multimedia experience
- Spectacular performance – supports the most demanding applications
- Comprehensive communication features – for maximum mobile freedom
- Class-leading design – innovative style and portability
- Full flexibility – for maximum user convenience and comfort

Satellite 5000-104 / PS500E-00WXC-xx*

PIII 1.1 GHz/15" TFT/30GB/256MB/CD-RW/DVD

* Windows® XP Home Edition

Satellite 5000 series

Specifications at a glance

Processor
Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed
1.1 GHz

Display
15.0" (38.1 cm) TFT colour LCD display, 1,024 x 768 x 16.7 million colours

Hard disk
30.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 256 MB SDRAM, expandable to 512 MB

DVD, CD-RW/DVD-ROM drive
Integrated drive CD-R (8x), CD-RW (4x), CD-ROM (24x), DVD-ROM (8x), 12 cm (5.25") disks

Diskette drive
External USB FDD, 3.5" 1.44 MB

Graphics adapter
NVIDIA GeForce2Go 64-bit AGP graphics accelerator, BitBIT, 3D graphics acceleration, 16 MB unshared Video RAM

Keyboard
86 keys, Touch pad, 8 Hot Keys, 1 Windows® key, Euro key, Application Key Support. Multimedia Bar with CD/DVD/MP3 player function with Sub LCD, Internet browser launch key, 1 Toshiba Console button (user-programmable)

Communication
Integrated international V. 90 modem (56 Kbps data, 14.4 Kbps fax)[2], integrated LAN (Ethernet, 100Base-Tx, 10Base-T)

Sound system
Yamaha YMF753, 16-bit stereo Sound Blaster Pro compatible, MIDI & 3D Sound support, Dolby Digital Surround Sound, harman/kardon built-in stereo speakers with sub-woofer

Interfaces
3 USB ports, infrared, headphone, external microphone, TV-out port, RJ-11 modem port, "I-Link" (IEEE1394) port, RJ-45 LAN connector, SD™ slot, SmartMedia slot, external monitor, S/P DIF

Expansion
2 x PC Card type II or 1 x PC Card type III, memory expansion

Power supply
Autosensing 100~240 V AC adapter for worldwide usage

Battery
Removable Lithium-Ion battery, up to 2 hours battery life

Bundled software
Microsoft® Windows® XP Home Edition, Microsoft Works Suite® 2001, Win DVD, Easy CD Creator, Toshiba Hibernation Utility, online user manual

Bundled hardware
USB FDD, TV-out cable

Size (W x D x H) / weight
330 x 296 x 46.2 (max.) mm, 3.1 kg

Warranty
1-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Satellite 2800-600:

Access all your multimedia dreams.

With its state-of-the-art digital technology, the Satellite 2800-600 opens up a huge range of multimedia opportunities. With its really outstanding graphics performance, the CD-RW/DVD-ROM drive, the sumptuous sound, the “I-link” (IEEE 1394) and SmartMedia interfaces, this is a system that gives you the power to conjure up whole new worlds, whenever you want, wherever you want.

Why choose the Satellite 2800-600?

- NVIDIA GeForce2Go GPU, 16 MB unshared Video RAM
- Toshiba Bass Enhanced Sound System for 3D sound via built-in stereo speakers and subwoofer
- Mobile Intel® Pentium® III processor with SpeedStep™ technology, 1 GHz
- 15.0" TFT colour display
- Integrated LAN and Mini-PCI V.90 modem combo

Satellite 2800-600 / PS287E-000TH-xx*

PIII 1 GHz/15.0” TFT/30GB/256MB/CD-RW/DVD

* Windows® Me

Satellite 2800-600

Specifications at a glance

Processor
Mobile Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed
1 GHz

Display
15.0" (38.1 cm) TFT active matrix colour display, 1,024 x 768 x 16.7 million colours

Hard disk
30.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 256 MB SDRAM, expandable to 512 MB

CD-RW/DVD-ROM drive
Integrated CD-RW/DVD-ROM drive and diskette drive

Diskette drive
3.5" 1.44 MB/720 KB

Graphics adapter
NVIDIA GeForce2Go 64-bit AGP graphics accelerator, BitBlT, 3D graphics acceleration, 16 MB unshared Video RAM

Keyboard
86 keys, AccuPoint™ II (with two programmable keys), inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key. Multimedia Bar with CD/DVD player function, 4 Easy Keys (Rewind, Play/Pause, Stop, Forward) and Subwoofer (Enhanced Bass) launch. Separate Internet key

Communication
Integrated Mini-PCI Combo LAN / V.90 modem (56 Kbps data, 14.4 Kbps fax)[2]

Sound system
Toshiba Bass Enhanced Sound System,YAMAHA YMF754B-R, 16-bit stereo Sound Blaster Pro compatible, MIDI & 3D sound support, built-in stereo speakers and subwoofer

Interfaces
Parallel, PS/2™ mouse/keyboard, external monitor, 2 USB ports, headphone, external microphone. TV-out port, RJ-11 modem port, "I-Link" IEEE1394 port, RJ-45 LAN connector, SmartMedia slot

Expansion
2 x PC Card type II or 1 x PC Card type III, memory expansion

Power supply
Autosensing 100–240 V AC adapter for worldwide usage

Battery
Removable Lithium-Ion battery, up to 3 hours battery life

Bundled software
Windows® Millennium, Microsoft Works Suite® 2001, WinDVD™, Toshiba Hibernation Utility, online user manual

Bundled hardware
TV cable

Size (W x D x H) / weight
328 x 277 x 44 mm, 3.5 kg

Warranty
1-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Satellite Pro 4600 series:

The value business line offering wireless connectivity.

Combining a powerful business specification, outstanding value and wireless networking capability, these remarkable notebooks open up a whole new dimension in mobile freedom and enhanced productivity.

Why choose the Satellite Pro 4600 series?

- Designed around a single key concept – excellent performance with exceptional value
- Advanced all-in-one specifications for any cost-conscious business
- Integrated wireless LAN technology opens up completely new ways of working
- Wide range of models to meet any need
- Comprehensive range of optional and backwards compatible docking devices

Satellite Pro 4600 PS460E-03371-xx* / PS460E-03375-xx**
C 750 MHz/13.3" TFT/10GB/128MB/CD
Satellite Pro 4600 PS460E-038LM-xx* / PS460E-038LR-xx**
C 750 MHz/14.1" TFT/20GB/128MB/DVD
Satellite Pro 4600 PS460E-0C8X7-xx* / PS460E-0C8XD-xx**
PIII 800 MHz/14.1" TFT/15GB/128MB/CD/Wi-Fi

* Windows 98, ** Windows NT 4.0/2000

Satellite Pro 4600 series

Specifications at a glance

Processor

Mobile Intel® Celeron™ processor, 100 MHz Front Side Bus, 128 KB 2nd level cache/
Mobile Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed

750 MHz/800 MHz

Display

13.3" (33.8 cm)/14.1" (35.8 cm) TFT active matrix colour display, 1,024 x 768 x 16.7 million colours

Hard disk

10.0 GB[1]/15.0 GB[1]/20.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory

Standard 128 MB SDRAM, expandable to 512 MB

CD, DVD drive

CD-ROM drive, 24-speed (max.), data transfer 3,600 KB/s (max.), average random access time: 115 ms/
DVD-ROM drive[2], 8-speed (max.), data transfer 10,800 KB/s (max.), average random access time: 120 ms (DVD), 95 ms (CD)

Diskette drive

3.5" 1.44 MB / 720 KB, simultaneous internal use with the CD-ROM or DVD-ROM[2]

Graphics adapter

Trident XP, 64-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, integrated NTSC/PAL TV encoder, 16 MB internal Video RAM

External video modes

Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 Hz refresh rate non-interlaced (1,024 x 768)

Keyboard

86 keys, 12 function keys, 8 dedicated cursor keys, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key

Pointing device

AccuPoint™ II consists of MousePoint (integrated in keyboard) and four MouseButtons including two freely programmable buttons (integrated in palm rest)

Communication

Integrated LAN (Ethernet, 100BaseTx, 10BaseT, Wake-on-LAN, remote boot),integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax)[3]/
Integrated wireless LAN[3] (supports network 802.11b, Wi-Fi™ compliant), integrated LAN (Ethernet, 100BaseTx, 10BaseT, Wake-on-LAN, remote boot), integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax)[3]

Sound system

Toshiba Bass Enhanced Sound System, 16-bit Stereo Sound Blaster Pro compatible, 3D-wide mode, MIDI and Wavetable synthesis, volume dial, built-in stereo speakers

BIOS

ACPI (1.0b) enabled BIOS, SM BIOS V. 2.3

Interfaces

Serial, parallel, PS/2™ mouse/keyboard, Fast Infrared Port (FIR), external monitor, 2 x USB, TV out (NTSC/PAL; RCA connector), headphone, external microphone, RJ-11 modem jack, RJ-45, expansion bus connector, DC-in

Expansion

2 x PC Card type II or 1 x PC Card type III, CardBus support, memory expansion, additional expansion possibilities via docking options

Power supply

Autosensing 100–240 V AC adapter for world-wide usage

Battery

Removable lithium-ion battery, up to 3 hours battery life

Bundled software

Windows® 98 pre-installed or Windows NT® 4.0 and Windows® 2000 selectable installation[4] available alternatively for an additional charge (limited language versions).
PC Card management software, WinDVD™ (only with DVD models), Toshiba utilities and drivers, Toshiba Hibernation Utility (all pre-installed on the hard disk), SPANworks™ 2000 and Easy CD (only with CD-RW/DVD-ROM models)

Bundled hardware

Autosensing AC adapter

Special features

Toshiba Hibernation and Resume, Toshiba Power Extensions, System Password Securities, HDD password on request, SecureSleep™, Recovery CD, slot for Kensington Cable lock

Size (W x D x H) / weight

321 x 274 x 46 mm, 3.08 kg – 3.17 kg (depending on configuration)

Warranty

1-year international warranty

1) One GB means one billion bytes
2) Please note that playing DVD videos on Windows NT® 4.0 is not possible
3) To be used in countries where approved
4) Please note: From two Windows® operating systems pre-installed you can choose only one by one-time selection. If you desire the rejected operating system after you made a selection you need to acquire and pay for such operating system as a separate transaction.

Satellite Pro 4600 series

Competitive comparison

IBM Think Pad A 21/22 M/E

- Real Mobile Solution i.e. Better INTEGRATED communication functionality: Modem, LAN, wireless LAN (802.11b), vs. Mini-PCI Modem, PC Card LAN or Mini PCI Modem/LAN and external wireless PC Card in non accessible slot
- Wider choice of wireless products vs. very limited choice
- Easy communication set-up with SPANworks 2000 vs. none
- Better main memory expandability in Celeron range for enhanced overall performances (512MB vs. 256MB)
- Better graphics chip: Trident XP with 16 MB RAM / Tv encoder / flicker reduction vs. ATI 8MB
- Latest chipset: Intel 815EM supporting 4x AGP and higher CPU's vs. 440BX
- Better external resolution and colour depth (16MB vs. 8MB) and better 3D performance (4x AGP vs. 2x AGP)
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC card security on BIOS level vs. none or only on operationg system level
- Backwards compatibility of all docking options vs. none

Dell Inspiron 4000

- Real Mobile Solution i.e. Better INTEGRATED communication functionality: Modem, LAN, wireless LAN (802.11b), vs. Mini-PCI Modem, PC Card LAN or Mini PCI Modem/LAN and external wireless PC Card
- Easy communication set-up with SPANworks 2000 vs. none
- Wider choice of display: 13/14/15" vs. 14" only
- Better HDD performance. More speed and quantity of data thanks to double max transfer rate
- Better graphics chip: Trident XP with 16 MB RAM / Tv encoder / flicker reduction vs. ATI 8MB
- Latest chipset: Intel 815EM supporting 4x AGP and higher CPU's vs. 440BX
- Better external resolution and colour depth (16MB vs. 8MB) and better 3D performance (4x AGP vs. 2x AGP)
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC Card security on BIOS level vs. none or only on operationg system level
- Greater docking offer (CardDock vs. no PC Card docking offer)
- Backwards compatibility of all docking options vs. none
- Better expandability with Port Replicator and Card Station IV vs. Advanced Port Replicator only
- Better pointing device (AccuPoint vs. touch pad/pointing stick combo which is compromise of both "worlds")

Compaq Armada E500

- Real Mobile Solution i.e. Better INTEGRATED communication functionality: Modem, LAN, wireless LAN (802.11b) vs. Mini-PCI Modem or Mini-PCI Modem/LAN and EXTERNAL wireless PC Card or USB MultiPort
- Easiest communication set-up with SPANworks 2000 vs. none
- Latest optical drive: CD-RW / DVD-ROM drive vs. none
- Better display management functionality for longer battery life (brightness level up to 50% lower)
- Better graphics chip: Trident XP with 16 MB RAM / Tv encoder / flicker reduction vs. ATI Mobility Pro 8MB
- Latest chipset: Intel 815EM supporting 4x AGP and higher CPU's vs. 440BX
- Better external resolution and colour depth (16MB vs. 8MB) and better 3D performance (4x AGP vs. 2x AGP)
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC Card security on BIOS level vs. none or only on operationg system level
- Backwards compatibility of all docking options vs. none
- Inexpensive PC Card Docking vs. Armada Station Full Desktop Expansion

Hewlett Packard OmniBook Xe3

- Real Mobile Solution i.e. Better INTEGRATED communication functionality: Modem, LAN, wireless LAN (802.11b), vs. Modem, LAN and external wireless PC Card
- Easy communication set-up with SPANworks 2000 vs. none
- Better graphics chip: Trident XP with 16 MB RAM / Tv encoder / flicker reduction vs. S3IX 8MB
- Latest chipset: Intel 815EM supporting 4x AGP and higher CPU's vs. 440BX
- Better multimedia features (graphics including TV encoder and flicker reduction vs. none)
- Better connectivity: External monitor + Video out (NTSC/PAL) vs. external monitor only
- Lighter (3,17kg vs. 3,45 for 14" and 3,37kg vs. 3,62kg for 15"
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC card security on BIOS level vs. none or only on operationg system level
- Backwards compatibility of all docking options vs. none
- Better expandability PC Card Dock vs. Plain Port Replicator only

Satellite Pro 6000 series:

Fully integrated wireless connectivity in the value business line.

The Satellite Pro 6000 series is the perfect solution for the cost-conscious business user: exceptional value combines with state-of-the-art integrated wireless connectivity and outstanding performance to support a wide range of professional applications.

Why choose the Satellite Pro 6000 series?

- Amazing value-for-money – the latest technology and performance at affordable prices
- State of the art integrated wireless connectivity – greater freedom to work anywhere without any cable
- Innovative new design ensures stunning impact and easier carrying
- Intelligent features maximise working comfort and convenience
- Enhanced expansion options – for maximum flexibility, versatility and compatibility

Satellite Pro 6000 PS600E-04XLE-xx*
C 933/13.3"TFT/10 GB/128 MB/CD
Satellite Pro 6000 PS600E-0552E-xx*
C 933/14.1"TFT/10 GB/128 MB/CD
Satellite Pro 6000 PS600E-00Y2E-xx*
PIII 933/14.1"TFT/10 GB/128 MB/CD
Satellite Pro 6000 PS600E-039KN-xx*
PIII 1 GHz/15.0"TFT/20 GB/128 MB/DVD/Wi-Fi
Satellite Pro 6000 PS600E-04T8S-xx*
PIII 1.2 GHz/15.0"TFT/40 GB/256 MB/DVD-CDRW/Wi-Fi/BT

* Windows® 2000/Windows® XP Pro

Satellite Pro 6000 series

Specifications at a glance

Processor
Mobile Intel® Celeron™ processor, 100 MHz Front Side Bus, 256 KB 2nd level cache/
Mobile Intel® Pentium® III processor-M, 133 MHz Front Side Bus, 512 KB 2nd level cache

Clock speed
933 MHz/1 GHz/1.2 GHz

Display
13.3" (33.8 cm)/14.1" (35.8 cm)/ 15.0" (38.1 cm) TFT active matrix colour display, 1,024 x 768 x 16.7 million colours

Hard disk
10.0 GB[1]/20.0 GB[1]/40.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 128 MB/256 MB SDRAM, expandable to 1.024 MB

CD, DVD, CD-RW/DVD-ROM drive
Slim SelectBay CD-ROM drive (24-speed max.), data transfer 3,600 KB/sec, average random access time: 110 ms/
Slim SelectBay DVD-ROM drive (8-speed max.), data transfer 10,800 KB/sec, average random access time: 100 ms/
Slim SelectBay CD-RW/DVD-ROM drive (8-speed CD-RW, 8-speed CD-R, 4-speed CD-RW, 8-speed DVD), data transfer up to 10,800 KB/sec (DVD-ROM mode), average random access time: 140 ms (DVD), 120 ms (CD)/
for other Slim SelectBay modules see "Options"

Diskette drive
External 3.5" USB diskette drive, 1,44 MB

Graphics adapter
Trident Cyber ALADDiN-T, 128-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, 16 MB UMA RAM (shared)

External video modes
Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 MHz refresh rate non-interlaced (1,280 x 1,024)

Comfort keyboard
86 keys, 12 function keys, 8 dedicated cursor keys, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key, ComfortPad

Wired communication
Integrated 10/100 Ethernet LAN, integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax[2])

Wireless communication
Integrated wireless LAN[2] (802.11b network support, Wi-Fi™ compliant), Fast InfraRed, Bluetooth™ technology

Sound system
16-bit stereo Sound Blaster Pro compatible, MIDI synthesis, volume dial, built-in stereo speakers,

BIOS
ACPI (1.0b), SM BIOS 2.3

Interfaces
PS/2™ mouse/keyboard, external monitor, TV-out (NTSC/PAL, RCA connector), RJ-11, RJ-45, 2 x USB, parallel, serial, Fast InfraRed Port (FIR), external microphone, headphone, DC-in

Expansion
SD™ card slot, 2 x PC Card Type II or 1 x PC Card Type III, memory, Advanced Port Replicator (optional)

Docking
Optional Advanced Port Replicator: serial, parallel, external monitor, 2 x USB, 2 x PS/2™, line-in, line-out, RJ-11, RJ-45, Kensington Cable slot, DC-in, power on/off switch

AC adaptor
Autosensing AC adaptor (100/240 V) for world-wide usage

Battery
Removable lithium-ion battery, 3.7 hrs battery life, with optional 2nd battery and in SuperLongLife mode up to 7.5 hrs

Bundled software
Windows® 2000 and Windows® XP Pro selectable installation[3] Toshiba utilities and drivers, on-line user's and modem manual, SPANworks™ 2000, WinDVD™, Easy CD Creator 4, Direct CD, Toshiba Management Console, Bluetooth™ Service Center

Bundled hardware
AC adaptor, Slim SelectBay weight saver

Security features
Main hard disk (by screw), keyboard lock, main memory (by screw), BIOS password, set-up utilities, PC Card lock, HDD password, SecureSleep™, Kensington Cable slot, wireless on/off switch, system password security, optional fingerprint security on BIOS level

Size (W x D x H) / weight
330 x 289 x 35/37 mm, 2.7 – 2.9 kg (depending on configuration)

Warranty
1-year international warranty

1) One GB means one billion bytes
2) To be applied in countries where approved
3) From two Microsoft operating systems pre-installed you can choose only one by one-time selection. If you desire the rejected operating system after you made a selection you need to acquire and pay for such operating system as a separate transaction

Satellite Pro 6000 series

Competitive comparison

Compaq Evo N600C

- Real Mobile Communication Solution i.e. Better integrated communication functionality: Bluetooth, Wireless LAN (802.11b), LAN, Modem, Infrared vs. optional USB MultiPort Wireless (limited to Bluetooth or Wireless Lan but not both at the same time), Mini-PCI Modem/LAN and Infrared
- Safer wireless solution with wireless switch button to avoid any risk in sensitive enviroments (I.e. airplane) vs. none
- Easiest wireless communication set-up with integrated SPANworks 2000, Bluetooth Service Center and Bluetooth utility software vs. none
- Wider choice of CPU (Pentium and Celeron vs. only Pentium) and speed
- Higher performance memory (DDR) vs. normal memory (SDRAM)
- Bigger HDD size availability for massive storage solutions up to 40 GB vs. up to 30 GB HDD
- Wider choice of display size (13, 14 and 15") vs. only one size (14")
- Better display management functionality (8 different brightness settings) for longer battery life
- Better expandibility features with SD Card Slot vs. none
- Easier and smarter ports position (rear covered with a door) vs. some ports on the left, right and rear side
- Ultimate design for better ergonomics and style
- Better speakers design and position for higher level of sound quality vs. speakers integrated in the chassis
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Bundled USB FDD for immediate productivity out-of-the-box vs. optional USB FDD
- Consistent pointing device solution (Accupoint) vs. unconvenient double system for unoptimised ergonomic solution
- Fingerprint PC Card security on BIOS level vs. none or only on operating system level
- Dual preinstalled OS (WinXP Pro and W2000) for easy and immediate choice vs. single OS

Compaq Evo N150

- Real Mobile Communication Solution i.e. Better integrated communication functionality: Bluetooth, Wireless LAN (802.11b), LAN, Modem, Infrared vs. only external (PC Card) wireless solution, Mini-PCI Modem or Modem/LAN and Infrared
- Safer wireless solution with wireless switch button to avoid any risk in sensitive enviroments (I.e. airplane) vs. none
- Easiest wireless communication set-up with integrated SPANworks 2000, Bluetooth Service Center and Bluetooth utility software vs. none
- Wider choice of CPU speed
- Latest chipset supporting 4x AGP and higher CPU's vs. old 440BX
- Better memory upgradability up to 1GB vs. up to 320 MB
- Higher performance memory (DDR) vs. normal memory (SDRAM)
- Bigger HDD size availability for massive storage solutions up to 40 GB vs. up to 15 GB HDD
- Wider choice of display size (13, 14 and 15") vs. only one size (14")
- Better display management functionality (8 different brightness settings) for longer battery life
- Better expandibility features with SD Card Slot vs. none
- Ultimate design for better ergonomics and style
- Better speakers design and position for higher level of sound quality vs. speakers integrated in the chassis
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Better external resolution and colour depth (16 MB vs. 8 MB) and better 3D performance (4x AGP vs. 2x AGP)
- Bundled USB FDD for immediate productivity out-of-the-box vs. optional USB FDD
- More accurate pointing device solution (Accupoint) vs. consumer solution (Touchpad)
- Fingerprint PC Card security on BIOS level vs. none or only on operationg system level
- Dual preinstalled OS (WinXP Pro and W2000) for easy and immediate choice vs. single OS

IBM Think Pad A 30

- Real Mobile Communication Solution i.e. Better integrated communication functionality: Bluetooth, Wireless LAN (802.11b), LAN, Modem, Infrared vs. only external Bluetooth (Pc Card or UltraPort), Wireless LAN, LAN, Modem and Infrared (integrated Bluetooth only on A30P with high-resolution display)
- Safer wireless solution with wireless switch button to avoid any risk in sensitive enviroments (I.e. airplane) vs. none
- Easiest wireless communication set-up with integrated SPANworks 2000, Bluetooth Service Center and Bluetooth utility software vs. none
- Wider choice of CPU (Pentium and Celeron vs. only Pentium) and speed
- Higher performance memory (DDR) vs. normal memory (SDRAM)
- Wider choice of display size: 13, 14 and 15" vs. only 14 and 15"
- Better display management functionality (8 different brightness settings) for longer battery life
- Hot swap Slim Selectbay vs. none (hibernation swap only on A30P)
- Better expandibility features with SD Card Slot vs. none
- Wider ports offer (PS/2 for keyboard mouse missing in IBM)
- Cover ports door vs. none
- Better weight: 2.7 kg vs. 3.4 kg
- Longer battery life: 3.2 h vs. 2.5 h
- Ultimate design for better ergonomics and style
- Better speakers design and position for higher level of sound quality vs. speakers integrated in the chassis
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Bundled weight saver for Slim Selectbay vs. optional weight saver
- Bundled USB FDD for immediate productivity out-of-the-box vs. optional USB FDD
- Fingerprint PC Card security on BIOS level vs. none or only on operating system level
- Dual preinstalled OS (WinXP Pro and W2000) for easy and immediate choice vs. single OS

Satellite Pro 6000 series

Competitive comparison

Dell Inspiron 4100

- Real Mobile Communication Solution i.e. Better integrated communication functionality: Bluetooth, Wireless LAN (802.11b), LAN, Modem, Infrared vs. only external Wireless LAN (Pc Card), LAN, Modem and Infrared
- Safer wireless solution with wireless switch button to avoid any risk in sensitive enviroments (I.e. airplane) vs. none
- Easiest wireless communication set-up with integrated SPANworks 2000, Bluetooth Service Center and Bluetooth utility software vs. none
- Wider choice of CPU: Pentium and Celeron vs. only Pentium
- Higher performance memory (DDR) vs. normal memory (SDRAM)
- Bigger HDD size availability for massive storage solutions up to 40 GB vs. up to 30 GB HDD
- Wider choice of display size: 13, 14 and 15" vs. only 14"
- Better display management functionality (8 different brightness settings) for longer battery life
- Better expandibility features with SD Card Slot vs. none
- Consistent pointing device solution (Accupoint) vs. unconvenient double system for unoptimised ergonomic solution
- Better USB ports offer (2 vs. 1)
- Cover ports door vs. none
- Ultimate design for better ergonomics and style
- Better speakers design and position for higher level of sound quality vs. speakers integrated in the chassis
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC Card security on BIOS level vs. none or only on operating system level
- Dual preinstalled OS (WinXP Pro and W2000) for easy and immediate choice vs. single OS

Hewlett Packard OmniBook Xe3

- Real Mobile Communication Solution i.e. Better integrated communication functionality: Bluetooth, Wireless LAN (802.11b), LAN, Modem, Infrared vs. only external Wireless LAN (Pc Card), LAN, Modem and Infrared
- Safer wireless solution with wireless switch button to avoid any risk in sensitive enviroments (I.e. airplane) vs. none
- Easiest wireless communication set-up with integrated SPANworks 2000, Bluetooth Service Center and Bluetooth utility software vs. none
- Latest chipset supporting 4x AGP and higher CPU's vs. old 440BX
- Higher performance memory (DDR) vs. normal memory (SDRAM)
- Slim SelectBay technology vs. fixed media bay
- Better display management functionality (8 different brightness settings) for longer battery life
- Better graphics chip: Trident Cyber Aladdin-T with 16 MB RAM / Tv encoder / flicker reduction vs. S3IX 8 MB
- Better expandibility features with SD Card Slot vs. none
- Better weight: 2.7 kg vs. 3.4 kg
- Ultimate design for better ergonomics and style
- Better speakers design and position for higher level of sound quality vs. speakers integrated in the chassis
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Fingerprint PC Card security on BIOS level vs. none or only on operating system level
- Dual preinstalled OS (WinXP Pro and W2000) for easy and immediate choice vs. single OS

Tecra 8200 series:

Shared platform technology with wireless connectivity.

The Tecra 8200 series offers long-term platform stability for every business while incorporating cost-efficient mobile communication technologies. Features include wireless LAN capability, giving users freedom to access the corporate network without cable restrictions.

Why choose the Tecra 8200 series?

- Shared platform philosophy for long-term stability and reduced Total Cost of Ownership
- Common hardware and software components reduce time spent on evaluation
- Complete mobile communications centre giving users the freedom to work anywhere and anytime
- Wide range of configuration options to suit all roles and applications
- Intelligent modular docking avoids the need for new investment

Tecra 8200 / PT820E-0191P-xx* / PT820E-0191T-xx**
PIII 850 MHz/14.1" TFT/10GB/128MB/CD/Wi-Fi
Tecra 8200 / PT820E-02795-xx* / PT820E-02799-xx**
PIII 900 MHz/14.1" TFT/20GB/128MB/DVD/Wi-Fi
Tecra 8200 / PT820E-037SP-xx* / PT820E-037SS-xx**
PIII 1 GHz/14.1" TFT/20GB/256MB/DVD/Wi-Fi
Tecra 8200 / PT820E-0C0H5-xx* / PT820E-0C0H9-xx**
PIII 1 GHz/14.1" TFT/30GB/256MB/DVD-CDRW/Wi-Fi

* Windows® 98, ** Windows® NT 4.0/2000

Tecra 8200 series

Specifications at a glance

Processor
Mobile Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed
850 MHz/900 MHz/1 GHz with Intel® SpeedStep™ technology

Display
14.1" (35.8 cm) TFT active matrix colour display, 1,024 x 768 x 16.7 million colours/
14.1" (35.8 cm) TFT active matrix colour display, 1,400 x 1,050 x 16.7 million colours

Hard disk
10.0 GB[1]/20.0 GB[1]/30.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 128 MB/256 MB SDRAM, expandable to 512 MB/Standard

CD, DVD, CD-RW/DVD-ROM drive
CD-ROM drive, 24-speed SelectBay (max.), data transfer 3,600 KB/s (max.), average random access time: 115 ms/
DVD-ROM drive[2], 8-speed SelectBay (max.), data transfer 10,800 KB/s (max.), average random access time: 120 ms (DVD), 95 ms (CD)/
CD-RW/DVD-ROM drive, SelectBay, 6-speed DVD-ROM drive[2] (max.), 24-speed CD-ROM (read), 4-speed CD-ROM (write). date transfer 8,100 KB/s (max.)

Diskette drive
1.44 MB SelectBay diskette drive, exchangeable with CD-ROM drive, DVD-ROM drive[2], CD-RW/DVD-ROM drive[2] SelectBay
SelectBay CD-ROM drive, DVD-ROM drive[2] or CD-RW/DVD-ROM drive[2] (depending on configuration), diskette drive, for other SelectBay modules see "Options"

Graphics adapter
Trident XP, 64-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, TV-out encoding, 16 MB internal Video RAM

External video modes
Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 Hz refresh rate non-interlaced (1,280 x 1,024)

Keyboard
86 keys, 12 function keys, 8 dedicated cursor keys, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key

Pointing device
AccuPoint™ II consists of MousePoint (integrated in keyboard) and four MouseButtons including two freely programmable buttons (integrated in palm rest)

Communication
Integrated wireless LAN[3], including integrated diversity antenna, 802.11b network support, Wi-Fi™ compliant, integrated 10/100 Ethernet LAN, integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax)[3]

Sound system
16-bit stereo Sound Blaster Pro compatible, 3D-wide mode, MIDI and Wavetable synthesis, volume dial, built-in stereo speakers, microphone

BIOS
DMI 2.0, ACPI (1.0), DPMS, SM BIOS 2.3

Interfaces
Serial, parallel, PS/2™ mouse/keyboard, Fast Infrared Port (FIR), external monitor, video out (NTSC/PAL), headphone, external microphone, 2 x USB, RJ-11 modem jack, RJ-45 Ethernet jack

Expansion
2 x PC Card type II or 1 x PC Card type III, CardBus support, memory expansion, additional expansion possibilities via docking options, SelectBay modules

Docking
NetDock Port Replicator (including built-in Ethernet, Wake-on-LAN and Service Boot support), Expansion Station, CardDock

Power supply
Autosensing 100–240 V AC adapter for world-wide usage

Battery
Removable lithium-ion battery, 3.5 hours battery life, with optional 2nd battery up to 7 hours

Bundled software
Windows NT® 4.0/Windows® 2000 (limited language versions) selectable installation[4] pre-installed, Windows® 98 available alternatively on request, PC Card management software, Toshiba utilities and drivers (all pre-installed on the hard disk), WinDVD™, SPANworks™ 2000

Bundled hardware
SelectBay diskette drive, autosensing AC adapter, SelectBay cover (with Weight Saver insert)

Special features
Toshiba Hibernation and Resume, Toshiba Power Extensions, System Password Securities, Wake-on-LAN & Service Boot (with NetDock Port Replicator), SecureSleep™

Size (W x D x H) / weight
312 x 254 x 36.5 mm, 2.2 – 2.5 kg (depending on configuration)

Warranty
3-year international warranty

1) One GB means one billion bytes
2) Please note that playing DVD videos on Windows NT® 4.0 is not possible
3) To be used in countries where approved
4) Please note: From two Windows® operating systems pre-installed you can choose only one by one-time selection. If you desire the rejected operating system after you made a selection you need to acquire and pay for such operating system as a separate transaction.

Tecra 8200 series

Competitive comparison

IBM Think Pad T20

- Integrated wireless LAN module vs. external solution
- CD-RW/DVD-ROM SelectBay drive vs. none
- No CPU throttling vs. CPU throttling (PIII750 throttles temporarily down to 450MHz)
- High quality battery vs. low quality battery (only 150 re-charge cycles)
- Better graphics adaptor (Trident XP with 16 MB RAM vs. S3IX 8MB)
- Better chipset (Intel 815EM with 4x AGP vs. 440BX)
- Better docking modularity (flexible docking of NetDock with Expansion Station vs. no connection possibility between docking solutions)
- Backwards compatibility of all docking options vs. none
- Backwards compatibility of SelectBay devices vs. none
- Easy communication set-up with SPANworks 2000 vs. none
- Fingerprint PC card security on BIOS level vs. none or only on operationg system level
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Better docking modularity (flexible docking of NetDock with Expansion Station vs. no connection possibility between docking solutions)

Dell Latitude C600

- Better integration of communication solutions (parallel usage of wireless LAN, LAN, Modem vs. either LAN/Modem OR wireless LAN)
- CD-RW/DVD-ROM SelectBay drive vs. none
- Easy communication set-up with SPANworks 2000 vs. none
- Better graphics adaptor (Trident XP with 16 MB RAM vs. ATI 8MB)
- Better chipset (Intel 815EM with 4x AGP vs. 440BX)
- More platform stability (no change to platform vs. changes)
- Longer product life cycles
- Fingerprint PC card security on BIOS level vs. none or only on operationg system level
- BIOS know-how vs. external BIOS vendor (better response to customers request)
- Longer battery life (3.5 hrs vs. 2-3 hrs)
- Backwards compatibility on SelectBays (vs. none)
- Better docking modularity (flexible docking of NetDock with Expansion Station vs. no connection possibility between docking solutions)
- Greater docking offer (CardDock vs. no PC Card docking offer)

Compaq Armada M700

- Better communication combination (Wi-Fi, Modem, LAN) vs. Mini-PCI combo LAN/modem only
- CD-RW/DVD-ROM SelectBay drive vs. none
- Integrated wireless LAN module vs. external solution
- Easy communication set-up with SPANworks 2000 vs. none
- Better graphics adaptor (Trident XP with 16 MB RAM vs. S3IX 8MB)
- Better chipset (Intel 815EM with 4x AGP vs. 440BX)
- Better heat management (higher fan flow rate 41.5l/min vs. 22.2 l/min)
- Backwards compatibility on SelectBays (vs. none)
- Better docking modularity (flexible docking of NetDock with Expansion Station vs. no connection possibility between docking solutions)
- Greater docking offer (CardDock vs. no PC Card docking offer)

Hewlett Packard OmniBook 6000

- Better communication combination (Wi-Fi, Modem, LAN) vs. Mini-PCI combo LAN/modem only
- CD-RW/DVD-ROM SelectBay drive vs. none
- Integrated wireless LAN module vs. external solution (or the user have to give up the modem/LAN)
- Easy communication set-up with SPANworks 2000 vs. none
- Better graphics adaptor (Trident XP with 16 MB RAM vs. ATI either 4 or 8MB)
- Better multimedia features (graphics including TV encoder and flicker reduction vs. none)
- Better chipset (Intel 815EM with 4x AGP vs. 440BX)
- Better connectivity (External monitor + Video out (NTSC/PAL) vs. external monitor only)
- Better platform stability
- Better manageability (WOL with all models through the range with optional NetDock vs. only selected SKU's)
- Backwards compatibility on SelectBays (vs. none)
- Better pointing device (AccuPoint vs. touch pad/pointing stick combo which is compromise of both "worlds")

Tecra 9000 series:

The future-proof corporate platform with total wireless connectivity built in.

The Tecra 9000 series is the latest evolution of the well-established and highly-successful Tecra corporate platform concept: now long-term platform stability, state-of-the-art wireless connectivity and innovative design come together in notebooks built for ultimate investment protection.

Why choose the Tecra 9000 series?

- Maximum platform stability to reduce Total Cost of Ownership and increase Total Benefit of Ownership
- Total integrated wireless communication capability for greater mobile freedom
- New innovative design guarantees the right impression anywhere
- Optimised comfort and convenience for maximum independence
- Enhanced expansion options with cross-compatibility

Tecra 9000 / PT900E-03SFH-xx* / PT900E-03SFK-xx**
PIII 933/14.1"TFT/10 GB/128 MB/CD/Wi-Fi
Tecra 9000 / PT900E-04N7H-xx* / PT900E-04N7K-xx**
PIII 1GHz/14.1"TFT/20 GB/256 MB/DVD/Wi-Fi
Tecra 9000 / PT900E-08YXG-xx* / PT900E-08YXJ-xx**
PIII 1.2 GHz/14.1"TFT/30 GB/256 MB/DVD-CDRW/Wi-Fi/BT

* Windows® 98, ** Windows® 2000

Tecra 9000 series

Specifications at a glance

Processor
Mobile Intel® Pentium® III processor-M, 133 MHz Front Side Bus, 512 KB 2nd level cache

Clock speed
933 MHz/1 GHz/1.2 GHz

Display
14.1" (35.8 cm) TFT active matrix colour display, 1,024 x 768 x 16.7 million colours

Hard disk
10.0 GB[1]/20.0 GB[1]/30.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 128 MB/256 MB SDRAM, expandable to 1.024 MB

Slim SelectBay drive
Slim SelectBay CD-ROM drive 24-speed (max.), data transfer 3,600 KB/sec, average random access time: 110 ms/
Slim SelectBay DVD-ROM drive[2] 8-speed (max.), data transfer 10,800 KB/sec, average random access time: 100 ms/
Slim SelectBay CD-RW/DVD-ROM drive, 24-speed CD-ROM drive, 8-speed CD-R drive, 4-speed CD-RW drive, 8-speed DVD drive[2], data transfer up to 10,800 KB/sec (DVD-ROM mode), average random access time: 120 ms (DVD), 95 (CD), for other Slim SelectBay modules see "Options"

Graphics adapter
S3® SuperSavage™ IXC, 128-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, 16 MB video RAM

External video modes
Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 MHz refresh rate non-interlaced (1,280 x 1,024)

Comfort Keyboard
86 keys, 12 function keys, 8 dedicated cursor keys, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key, Toshiba Console Button

Wired Communication
Ethernet LAN chip, integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax[2])

Wireless Communication
Integrated wireless LAN module[2] (802.11b network support, Wi-Fi™ compliant), Fast InfraRed, integrated Bluetooth™ technology (on some models)

Sound system
16-bit stereo Sound Blaster Pro compatible, 3D-wide mode, MIDI and Wavetable synthesis, volume dial, built-in stereo speakers, microphone

BIOS
ACPI (1.0b), SM BIOS 2.3

Interfaces
PS/2™ mouse/keyboard, external monitor, TV-out (NTSC/PAL, RCA connector), RJ-11, RJ-45, 2 x USB, parallel, serial, i.LINK® (IEEE 1394), Fast InfraRed Port (FIR), external microphone, headphone, DC-in

Expansion
SD™ card slot, 2 x PC Card Type II or 1 x PC Card Type III, memory, Advanced Port Replicator (optional)

Docking
Optional Advanced Port Replicator: serial, parallel, external monitor, 2 x USB, 2 x PS/2™, line-in, line-out, RJ-11, RJ-45, i.LINK® (IEEE 1394), Kensington Cable slot, DVI connectivity, DC-in, power on/off switch

AC adaptor
Autosensing AC adaptor (100/240 V) for world-wide usage

Battery
Removable lithium-ion battery, 5.8 hrs, in SuperLongLife mode up to 7 hours battery life

Bundled software
Windows® 2000 pre-installed, Windows® 98 available alternatively on request, Toshiba utilities and drivers, on-line user's and modem manual, SPANworks™ 2000, WinDVD™, Easy CD Creator 4, Direct CD, Toshiba Management Console, Bluetooth ™ Easy Connect utility, Toshiba Client Manager

Bundled hardware
AC adaptor, Slim SelectBay weight saver

Special features
Main hard disk (by screw), keyboard lock, main memory (by screw), BIOS password, set-up utilities, HDD password on request, SecureSleep™, Kensington Cable slot, wireless on/off switch, system password security, optional fingerprint security on BIOS level, shock-absorbing hard disk drive bump

Size (W x D x H) / weight
310 x 269 x 31/37 mm, 2.1 – 2.4 kg (depending on configuration)

Warranty
3-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Tecra 9000 series

Competitive comparison

IBM ThinkPad T23

- More mobile: Leighter 2.1kg vs. 2.2kg
- More data transfer possibilities: SD media expandability vs. none
- More robust: Robust magnesium case all over, shock absorbing HDD bump vs. Titanium lid only and none shock absorber
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and either BT PC card or BT UltraPort
- Better multimedia features: I.LINK (IEEE 1394) port vs. none, SD Media slot vs. none
- More representative: Innovative new silver design vs. old fashioned design

IBM ThinkPad X21

- More independence: Longer battery life of over 4 hours with a normal battery and over 9 hours with Slim SelectBay battery in combination with SuperLongLife mode
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- Faster and more efficient working conditions: PIII750 vs. PIII600, RAM up to 1024 MB vs 320 MB, standard 128 MB vs. 64MB, Trident Cyper Aladdin (16MB) vs. 440bx chipset
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional LAN and no possibility to integrate BT, wireless
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- USB FDD vs. FDD via parallel port
- Better expandability: 2 USB ports vs. one only
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- Better multimedia features: Stereo speakers vs. monaural speaker
- Better multimedia features: Volume dial vs. software volume
- More data transfer possibilities: SD media expandability vs. none Intgrated drive and Slim SelectBay flexibility vs. optional Mobile Expansion Unit
- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit

Omnibook 6100

- More mobile: 2.1kg vs. 2.3 kg with weight saver, 2.4 vs. 2.8 kg fully configured
- Better security: Fingerprint PC Card security on BIOS level vs. none
- More robust: Robust magnesium case all over, shock absorbing HDD bump vs. Titanium lid only and none shock absorber
- Bigger choice: 14.1" XGA or 14.1" SXGA+ vs. 14.1" XGA only
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN, modem vs. either BT PC card or wireless LAN
- Better multimedia features: I.LINK (IEEE 1394) port vs. none, SD Media slot vs. none
- Better expandability: 2USB vs. 1 USB

Dell Latitude C810

- More mobile: Smaller footprint and much thinner (310x269x31.7/38.9mm vs. 331x276x 44,5), much leighter weight (2.1kg vs. 3.28kg)
- More robust: Robust magnesium case all over, shock absorbing HDD bump vs. plastic only and none shock absorber
- Better upgradability: Up to 1024MB RAM vs. 512MB only
- Bigger choice: More PIII Processor-M choices: 1.13GHz, 1.06GHz, 1.0GHz, 933MHz vs. 1.13GHz only
- Better multimedia features: I SD Media slot vs. none
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN modem vs. either modem + LAN OR wireless LAN only
- Better expandability: 2USB vs. 1 USB
- Better security: Fingerprint PC Card security on BIOS level vs. none

Tecra 9000 series

Competitive comparison

Dell Latitude C600

- More robust: Robust magnesium case all over, shock absorbing HDD bump vs. plastic only and none shock absorber
- More mobile: Much leighter weight (2.1kg vs. 2,4 with weight saver and 2.4kg vs. 2,7kg fully configured)
- Better investment protection: Latest CPU's Pentium III-M CPU's up to 1,13GHz vs. Pentium III up to 1GHz only, new Intel 830MP chipset vs. old 815
- Better upgradability: Up to 1024MB RAM vs. 512MB only
- Better expandability: 2USB vs. 1 USB
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN, modem vs. either modem + LAN OR wireless LAN only
- Better expandability: 2USB vs. 1 USB
- Better multimedia features: I SD Media slot vs. none, I.LINK (IEEE 1394) vs. none
- Better security: Fingerprint PC Card security on BIOS level vs. none

Compaq Armada M700

- Better investment protection: Latest CPU's Pentium III-M CPU's up to 1,13GHz vs. Pentium III up to 850MHz only, new Intel 830MP chipset vs. old 815
- Better upgradability: Up to 1024MB RAM vs. 576MB only
- Bigger choice: 14.1" XGA or 14.1" SXGA+ vs. 14.1" XGA only
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN, modem vs. either BT PC card or wireless LAN
- Better security: Fingerprint PC Card security on BIOS level vs. on OS level only
- Better multimedia features: I SD Media slot vs. none, I.LINK (IEEE 1394) vs. none, CD-RW/DVD combo vs. none
- Better expandability: 2USB vs. 1 USB

Compaq Armada E500

- More mobile: Thinner (31.7/38.9mm vs.40mm), much leighter weight (2.1kg vs.2,7kg with weight saver and 2,4kg vs. 3.3kg fully configured)
- Better investment protection: Latest CPU's Pentium III-M CPU's up to 1,13GHz vs. Pentium III up to 850MHz only, new Intel 830MP chipset vs. old 815
- Better upgradability: Up to 1024MB RAM vs. 512MB only
- Bigger choice: 14.1" XGA or 14.1" SXGA+ vs. 14.1" XGA only
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN, modem vs. either BT PC card or wireless LAN
- More storage space: Up to 30GB vs. up to 20GB
- Better security: Fingerprint PC Card security on BIOS level vs. on OS level only
- Better multimedia features: I SD Media slot vs. none, I.LINK (IEEE 1394) vs. none, CD-RW/DVD combo vs. none, TV-out port vs. none
- Better expandability: 2USB vs. 1 USB

Portégé 4000 series:

The masterpiece in ultra-portable wireless computing.

The prestigious Portégé 4000 represents the ultimate solution for the mobile computer user. Designed for uncompromising portability, this extraordinary machine packs state-of-the-art wireless technologies and astonishing performance into an exquisite new high-tech case.

Why choose the Portégé 4000 series?

- Uncompromising ultra-portability
- Fully-integrated wireless communication capability for ultimate mobile freedom
- Innovative and eye catching design creates a memorable impression
- Long battery life for maximum independence
- Enhanced expansion options guarantee greater compatibility

Portégé 4000 / PP400E-0008L-xx* / PP400E-0008N-xx**
PIII 750/12.1"TFT/20GB/128MB/DVD/Wi-Fi/BT

* Windows® 98, ** Windows® 2000

Portégé 4000 series

Specifications at a glance

Processor
Mobile Intel® Pentium® III processor, 100 MHz Front Side Bus, 256 KB 2nd level cache

Clock speed
750 MHz featuring Intel® SpeedStep™ technology

Display
12.1" (30.7 cm) TFT poly-silicon active matrix colour display, 1,024 x 768 x 16.7 million colours

Hard disk
20.0 GB[1] capacity, S.M.A.R.T. hard disk

Memory
Standard 128 MB SDRAM, expandable to 1.024 MB

Slim SelectBay drive
8-speed Slim SelectBay DVD-ROM drive (max.), data transfer 10,800 KB/sec, average random access time: 100 ms, for other Slim SelectBay modules see "Options"

Graphics adapter
Trident Cyber Blade CP, 128-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, 16 MB UMA RAM (shared)

External video modes
Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 MHz refresh rate non-interlaced (1,024 x 768)

Comfort Keyboard
86 keys, 12 function keys, 8 dedicated cursor keys, inlaid numeric keypad, 8 Hot Keys, 2 Windows® keys, Euro key, Toshiba Console Button

Wired Communication
Ethernet LAN chip, integrated international V.90 modem (56 Kbps data, 14.4 Kbps fax[2])

Wireless Communication
Integrated wireless LAN module[2], (802.11b network support, Wi-Fi™ compliant), Fast InfraRed, integrated Bluetooth™ technology

Sound system
16-bit stereo Sound Blaster Pro compatible, 3D-wide mode, MIDI and Wavetable synthesis, volume dial, built-in stereo speakers, microphone

BIOS
ACPI (1.0b), SM BIOS 2.3

Interfaces
external monitor, RJ-11, RJ-45, 2 x USB, Fast InfraRed Port (FIR), external microphone, headphone, DC-in

Expansion
SD™ card slot, 2 x PC Card Type II or 1 x PC Card Type III, memory, Advanced Port Replicator (optional)

Docking
Optional Advanced Port Replicator: serial, parallel, external monitor, 2 x USB, 2 x PS/2™, line-in, line-out, RJ-11, RJ-45, Kensington Cable slot, DC-in, power on/off switch

AC adaptor
Autosensing AC adaptor (100/240 V) for world-wide usage

Battery
Removable lithium-ion battery, up to 3.7 hrs battery life, with optional 2nd battery up to 7.5 hrs, in SuperLongLife mode up to 9.4 hours battery life with second Slim SelectBay battery

Bundled software
Windows® 2000 pre-installed, Windows® 98 available alternatively on request, Toshiba utilities and drivers, on-line user's and modem manual, SPANworks™ 2000, WinDVD™, Toshiba Management Console, Toshiba Client Manager

Bundled hardware
AC adaptor, Slim SelectBay weight saver

Security features
Main hard disk (by screw), keyboard lock, main memory (by screw), BIOS password, set-up utilities, HDD password on request, SecureSleep™, Kensington Cable slot, wireless on/off switch, system password security, optional fingerprint security on BIOS level, shock-absorbing hard disk drive bump

Size (W x D x H) / weight
270 x 248 x 31/34 mm, 1.7 – 1.9 kg (depending on configuration)

Warranty
3-year international warranty

1) One GB means one billion bytes
2) To be used in countries where approved

Portégé 4000 series

Competitive comparison

Compaq M300

- More convenient working condition
- Bigger keyboard, brighter display with poly-silicon display vs. amorphus
- More independence: Longer battery life of over 4 hours with a normal battery and over 9 hours with Slim SelectBay battery in combination with SuperLongLife mode
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display
- Faster and more efficient working conditions: PIII750 vs. PIII600, RAM up to 1024 MB vs 320 MB, standard 128 MB vs. 64MB, Trident Cyper Aladdin vs. 440bx chipset
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional LAN and no possibility to integrate BT, wireless
- One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- USB FDD vs. FDD via parallel port
- Better expandability: 2 USB ports vs. one only
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- Better multimedia features: 2 internal speakers vs. monaural speaker, Slim SelectBay modularity vs. none
- 3 years warranty vs. 1 year
- Better multimedia features: Volume dial vs. software volume
- More data transfer possibilities: SD media expandability vs. none
- Better common docking vs. mobile expansion unit + docking
- Intgrated drive and Slim SelectBay flexibility vs. optional Mobile Expansion Unit
- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit

IBM ThinkPad X21

- More convenient working condition Bigger keyboard, brighter display with poly-silicon display vs. amorphous
- More independence: Longer battery life of over 4 hours with a normal battery and over 9 hours with Slim SelectBay battery in combination with SuperLongLife mode
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- Faster and more efficient working conditions: PIII750 vs. PIII600, RAM up to 1024 MB vs 320 MB, standard 128 MB vs. 64MB, Trident Cyper Aladdin (16MB) vs. 440bx chipset
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional LAN and no possibility to integrate BT, wireless
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- USB FDD vs. FDD via parallel port
- Better expandability 2 USB ports vs. one only
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- Better multimedia features: Stereo speakers vs. monaural speaker
- Better service: 3 years warranty vs. 1 year
- Better multimedia features: Volume dial vs. software volume
- More data transfer possibilities: SD media expandability vs. none Intgrated drive and Slim SelectBay flexibility vs. optional Mobile Expansion Unit
- Better docking solution with better commonality with other notebooks vs. sandwich solution
- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit

HP Omnibook 500

- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- Faster and more efficient working conditions: RAM up to 1024 MB vs 320 MB
- Better communication possibilities: FIR vs. none, integrated WiFi and BT vs. PC Card only
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- More data transfer possibilities: SD media expandability vs. none
- Better multimedia features: 2 internal speakers vs. monaural speaker, Slim SelectBay modularity vs. none
- More convenient working condition: Bigger keyboard, brighter display with poly-silicon display vs. amorphous
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- Better expandability: 2 USB ports vs. one only
- Better service: 3 years warranty vs. 1 year
- Better multimedia features: Volume dial vs. software volume
- More data transfer possibilities: SD media expandability vs. none
- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit

Portégé 4000 series

Competitive comparison

Dell Latitude L400

- Better communication possibilities: FIR vs. none, integrated WiFi and BT vs. PC Card only
- Faster and more efficient working conditions: PIII750 vs. PIII700, RAM up to 1024 MB vs 256 MB, standard 128 MB vs. 64MB
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only, two configurable memory slots vs. one configurable memory slot
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional LAN and no possibility to integrate BT, wireless
- More convenient working condition: Bigger keyboard, brighter display with poly-silicon display vs. amorphus
- Better expandability: 2 USB ports vs. one only
- Better multimedia features: 2 internal speakers vs. monaural speaker, Slim SelectBay modularity vs. none
- More data transfer possibilities: SD media expandability vs. none
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional LAN and no possibility to integrate BT, wireless, no FIR
- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit

Evo N400c

- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. external MultiPort solution, BT and wireless LAN not there at the same time
- More data transfer possibilities: SD media expandability vs. none
- Faster and more efficient working conditions: PIII750 vs. PIII700, RAM up to 1024 MB vs 512MB
- Better multimedia features: 2 internal speakers vs. monaural speaker, Slim SelectBay modularity vs. none
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- More convenient working condition: Bigger keyboard, brighter display with poly-silicon display vs. amorphus

Sony R505

- More economical: 2 spindle design eliminates need to purchase and carry an external mobile expansion unit
- Less breakable: Robust magnesium case all over, shock absorbing HDD bump, robust 12.1" poly-silicon display vs. amorphous display and ABS plastic
- Faster and more efficient working conditions: RAM up to 1024 MB vs 512MB
- More convenient working condition: Bigger keyboard, brighter display with poly-silicon display vs. amorphus
- Better security: Fingerprint PC Card security on BIOS level vs. on OS only
- More flexibility: One PC Card Type III or two PC Card Type II vs. one PC Card Type II only
- More flexibility and connectivity: Integrated wireless LAN, Bluetooth, FIR, LAN and modem vs. optional BT OR optional WiFi
- Better service: 3 years warranty vs. 1 year warranty
- Better communication possibilities: FIR vs. none
- Better presentation possibilities: External monitor port on machine vs. none

Equium 3xxx series:

Powerful, value-for-money business PCs.

The ideal entry-level PCs, combining state-of-the-art technology and ease of use with superbly affordable prices. Available in micro-tower and full-size desktop formats and a wide range of configurations to suit all needs and budgets, coupled with the benefits of Toshiba's renowned build quality.

Why choose the Equium 3xxx series?

- Versatile functionality at surprisingly affordable prices
- Choice of powerful Intel® Pentium® III and Celeron™ processors
- Innovative Easy Access Doors for fast servicing
- Enhanced expansion options guarantees maximum compatibility
- User controls clearly laid out and 100% user friendly

Equium 3150M
Equium 3300M
Equium 3300D

Equium 3xxx series

Specifications at a glance

Model

Micro-tower (3150M/3300M) or Full-size desktop (3300D) with Micro ATX architecture and Easy Access Door

Processor

3300M: Intel® Celeron™ processor 900 MHz to 1 GHz with 100 MHz Front Side Bus and Intel® Celeron™ processor 800 MHz with 100 MHz Front Side Bus, 128 KB 2nd level cache, Intel® 810 chipset, Socket 370/

Intel® Pentium® III processor 933 MHz to 1 GHz, 133 MHz Front Side Bus, 256 KB 2nd level cache, VIA ProSavage PM133 chipset, Socket 370/

3150M: Intel® Celeron™ processor, 667 to 766 MHz with 66 MHz Front Side Bus and Intel® Celeron™ processor 900 MHz to 1 GHz with 100 MHz Front Side Bus, 128 KB 2nd level cache, VIA ProSavage PM133 chipset, Socket 370

Hard disk

20 GB[1]/40 GB[1]/60 GB[1] capacity, S.M.A.R.T., Ultra ATA-66 technology (3150M)/UDMA-33, UDMA-66, UDMA-100 technology (3300M)

Memory

Standard 64 MB SDRAM, expandable to 512 MB (3150M)/768 MB (3300M/D)

CD-ROM/DVD-ROM drive

48-speed CD-ROM drive (max.), data transfer 7,200 KB/s (max.), average random access time: 80 ms/

16-speed DVD-ROM drive[2] (max.), data transfer of DVD-ROM (single layer) 21,100 KB/s (max.), data transfer of CD-ROM 7,200 KB/s (max.), average random access time: DVD 120 ms, CD 100 ms

Diskette drive

1.44 MB diskette drive

Graphics adapter

Intel® (AGP 2 x) 3 D graphics processor, integrated in Intel® 810 chipset (3150M)/S3® Savage 4™ (3300M/D)

External video modes

Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 Hz refresh rate non-interlaced (1,280 x 1,024)

Keyboard

PS/2™ keyboard with 105 keys, 12 function keys, euro key

Pointing device

PS/2 wheel mouse with three buttons including wheel

Sound system

Software Audio (AC 97 + AD1881 CODEC), MIDI support

BIOS

Plug & Play, DMI 2.0, APM 1.2, ACPI, PnP 1.0a, DPMS, VESA 2.0, DDC2B, UDMA-66, USB (3150M)/

Version 1.0 or later, capacity 512 KB, 4 MB Flash, DMI 2.0 compliant, APM 1.2, ACPI 1.0, PnP 1.0a, DPMS, VESA 2.0, DDC, UDMA-33, UDMA–66, USB 1.0 (3300M)

Interfaces

Serial (UART 16C550), parallel (ECP/EPP), external monitor, PS/2™ mouse, PS/2™ keyboard, 2 x USB (without external hub), line-out, line-in, microphone-in, joystick (only 3150M)

Expansion

3150M: Slots: 3 x PCI expansion ports, 3 x DIMM sockets (2 x free, 1 x used by standard memory module), 1 x AMR (free, if not used by AMR modem), Drive bays: 2 x internal 3.5” bays (1 x used by hard disk drive), 1 x 3.5” front bay (used by diskette drive), 2 x 5.25” front bay (free, if not used by CD-ROM or DVD-ROM drive)

3300M/D: Slots: 3 x PCI expansion ports, 3 x DIMM sockets (2 x free, 1 x used by standard memory module), AGP, 1 x DTR/PCI shared. Drive bays: 2 x internal 3.5” bays (1 used by hard disk drive), 1 x 3.5” front bay (used by diskette drive), 2 x 5.25” front bays (free, if not used by CD-ROM or DVD-ROM drive)

Power supply

150 W (3150M)/132 W (3300M)

Bundled software

3150M: Windows® 98 pre-installed, Toshiba utilities and drivers, WinDVD 2000 (only with DVD-ROM drive)

3300M/D: Windows® 98 pre-installed or Windows NT® 4.0 and Windows® 2000 selectable installation[2] available alternatively for an additional charge (limited language versions), Toshiba utilities and drivers, WinDVD 2000 (only with DVD-ROM drive), Recovery CD

Bundled hardware

PS/2™ keyboard, PS/2™ wheel mouse

Special features

Instant On™ function, tool-less access to PC’s interior for easy servicing and upgrades via Easy Access Door, system management capability (DMI 2.0), ACPI compatible, protection against theft and misuse comes guaranteed with the locking system and various connections (for instance for padlock and double password systems), only 3300M: Micro ATX architecture, Blue Angel for selected models

Size (W x D x H) / weight

3300M/D: 181 x 396 x 363 mm, 9.7 kg (with CD-ROM or DVD-ROM drive)
3300D: 433 x 409 x 144, 8,7 kg (with CD-ROM or DVD-ROM drive)

Warranty

3-year warranty, first year on-site service

1) One GB means one billion bytes
2) Please note that playing DVD videos on Windows NT® 4.0 is not possible
4) Please note: From two Windows® operating systems pre-installed you can choose only one by one-time selection. If you desire the rejected operating system after you made a selection you need to acquire and pay for such operating system as a separate transaction.

The Equium concept:

The future-proof corporate platforms with outstanding flexibility and performance.

Toshiba's remarkable new Equium desktop concept combines excellent investment protection with uncompromising performance and connectivity in an ultra-flexible PC range. Available in two series, the Equium concept comprises a wide choice of form factors and configuration options to support users and applications throughout an organisation. Alongside superior technologies, Toshiba's renowned build quality comes as standard, for exceptional reliability in the business environment.

Why choose the Equium concept?

- Each series provides a common platform, shared driver sets, hardware components and standard software for long-term stability and easy evaluation
- Wide range of configuration options to suit both high-end and cost-conscious business users
- Different form factors available to suit every need and office environment
- Innovative chassis architecture for fast upgrades and easy servicing, plus efficient manageability features to reduce the cost of running a PC network
- State-of-the-art communication capabilities, including optional wireless LAN, to revolutionise connectivity in the office environment

Equium 8050M
Equium 8050D
Equium 8050S
Equium E8050
Equium 8100M
Equium 8100D

The Equium concept

Specifications at a glance

Model

Full-size desktop (8050D)/Micro-tower (8050M)/Slimline desktop (8050S)/Space-saving design desktop (E8050)

Processor

Intel® Celeron™ processor 900, 950 MHz, 1 GHz and 1.1 GHz, 100 MHz Front Side Bus, 128 KB 2nd level cache, Intel® 815E chipset, Micro ATX architecture, socket 370, AGP-Bus architecture/

Intel® Celeron™ processor starting at 1.2 GHz, 133 MHz Front Side Bus, 256 KB 2nd level cache, Intel® 815E chipset, Micro ATX architecture, socket 370, AGP-Bus architecture/

Intel® Pentium® III processor 1 GHz, 133 MHz Front Side Bus, 256 KB 2nd level cache, Intel® 815E chipset, Micro ATX architecture, socket 370, AGP-Bus architecture/

Hard disk

20 GB[1]/40 GB[1]/60 GB[1] capacity, with 5.400 rpm or

20 GB[1]/40 GB[1]/60 GB[1] capacity with 7.200 rpm S.M.A.R.T. hard disk

Memory

Standard 64 MB SDRAM, expandable to 512 MB (with Windows® 98SE) or

standard 128 MB SDRAM, expandable to 512 MB (with Windows® 2000 and Windows® XP Pro)

CD/DVD/CD-RW/DVD-ROM drive

8050D/8050M: CD-ROM drive (48-speed max.), data transfer 7,200 KB/sec, average random access time: 80 ms or

DVD-ROM drive (16-speed max. DVD-ROM, 48-speed max. CD-ROM), data transfer up to 21,100 KB/sec (DVD-ROM mode), average random access time: 100 ms (CD), 120 ms (DVD) or

CD-RW/DVD-ROM drive (32-speed max. CD-ROM, 8-speed max. CD-R, 8-speed max. CD-RW, 8-speed max. DVD-ROM), data transfer up to 10,800 KB/sec (DVD-ROM mode), average random access time: 110 ms (CD), 150 ms (DVD)

8050S: Slimtype CD-ROM drive (24-speed max.), data transfer 3,600 KB/sec, average random access time: 115 ms or

Slimtype DVD-ROM drive (8-speed max. DVD-ROM, 12-speed max. CD-ROM), data transfer up to 10,820 KB/sec (DVD-ROM mode), average random access time: 160 ms (CD), 110 ms (DVD)

E8050: CD-ROM drive (48-speed max.), data transfer 7,200 KB/sec, average random access time: 80 ms or

DVD-ROM drive (16-speed max. DVD-ROM, 48-speed max. CD-ROM), data transfer up to 21,100 KB/sec (DVD-ROM mode), average random access time: 100 ms (CD), 120 ms (DVD) or

CD-RW/DVD-ROM drive (32-speed max CD-ROM, 8-speed max. CD-R, 8-speed max. CD-RW, 8-speed max. DVD-ROM), data transfer up to 10,800 KB/sec (DVD-ROM mode), average random access time: 110 ms (CD), 150 ms (DVD) or

SelectBay CD-ROM drive (24-speed max.), data transfer 3,600 KB/sec, average random access time: 110 ms or

SelectBay DVD-ROM drive (8-speed max.), data transfer 10,800 KB/sec, average random access time: 100 ms or

SelectBay CD-RW/DVD-ROM drive (24-speed max. CD-ROM, 4-speed max. CD-R, 4-speed max. CD-RW, 6-speed max. DVD-ROM), data transfer up to 8,100 KB/sec (DVD-ROM mode), average random access time: 120 ms (DVD), 95 (CD)

Diskette drive

3.5" diskette drive, 1.44 MB (8050D/8050M/8050S)/ Optional external USB 3.5" diskette drive, 1.44 MB (E8050)

Graphics adapter

Intel® 815E integrated, 128-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, max. 13 MB UMA RAM (shared)

External video modes

Up to 1,600 x 1,200 resolution, up to 16.7 million colours, up to 85 Hz refresh rate non-interlaced (1,280 x 1,024)

Keyboard

PS/2™ keyboard with 105 keys, 12 function keys, Windows® keys, Euro key

Pointing device

PS/2™ wheel mouse with two buttons and one wheel

Wired communication

Integrated 10/100 Ethernet LAN, optional PCI Data/Fax/Voice V.90 modem (56 Kbps data, 14.4 Kbps fax[2])

Wireless communication

E8050: Wireless LAN via optional wireless LAN USB dongle[2]

Sound system

8050: Intel® 815E integrated + AD1885 CODEC, 16-bit stereo, Sound Blaster Pro compatible, 3D-wide mode, MIDI support

BIOS

Plug & Play, DMI 2.0 compliant, APM 1.2, ACPI 1.0, PnP 1.0a, DPMS, VESA 2.0, DDC2B, UDMA-33, UDMA-66, UDMA-100, USB 1.0

Interfaces

8050D/8050M: Line-in, line out, PS/2™ keyboard, PS/2™ mouse, external monitor, RJ-45, 4 x USB (2 x front/2 x rear), parallel, 2 x serial, external microphone, MIDI/game, DC-in

8050S: Line-in, line out, PS/2™ keyboard, PS/2™ mouse, external monitor, RJ-45, 2 x USB, parallel, serial, external microphone, DC-in

E8050: Line-in, 2 x line out (1 x front/1 x rear), PS/2™ keyboard, PS/2™ mouse, external monitor, RJ-45, 4 x USB (2 x front/2 x rear), parallel, serial, external microphone, MIDI/game, DC-in

The Equium concept

Specifications at a glance

Expansion

8050D: 2 x internal 3.5” bay (1 x used by hard disk), 1 x front 3.5” bay (used by diskette drive), 3 x PCI slots (full length), 2 x front 5.25” bays (free if not used by CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive), 1 x AGP slot (4x), 2 x DIMM sockets (1 x used by standard memory module)

8050M: 2 x internal 3.5” bays (1 x used by hard disk), 2 x front 3.5” bays (1 x used by diskette drive), 3 x PCI slots (full length), 2 x front 5.25” bays (free if not used by CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive), 1 x AGP slot (4x), 2 x DIMM sockets (1 x used by standard memory module)

8050S: 1 x internal 3.5” bay (used by hard disk), 1 x front 3.5” bay (used by diskette drive), 2 x PCI slots (half length), 1 x front-access slim bay (free if not used by slim-type CD-ROM, slim-type DVD-ROM or slim-type CD-RW/DVD-ROM drive), 1 x AGP slot (only usable in combination with an AIMM), 2 x DIMM sockets (1 x used by standard memory module)

E8050: 1 x internal 3.5” bay (used by hard disk), 1 x front 5.25” bay (used by CD-ROM, DVD-ROM or CR-RW/DVD-ROM drive and with SelectBay drives via SelectBay adapter), 1 x AGP slot (only usable in combination with an AIMM), 2 x DIMM sockets (1 x used by standard memory module)

Power supply

250 W (8050M/8050D)/
120 W (8050S/E8050)

Bundled software

Windows® 98SE pre-installed (limited language versions) or Windows® 2000 and Windows® XP Pro selectable installation[3] available alternatively for an additional charge (limited language versions), Toshiba utilities and drivers, on-line user manual, WinDVD 2000 (only with DVD-ROM or CD-RW/DVD-ROM drive), Easy CD Creator (only with CD-RW/DVD-ROM drive), Adobe Acrobat Reader

Bundled hardware

PS/2™ keyboard, PS/2™ mouse

Manageability features

BIOS flashing via operating system, Remote Boot, Hardware monitor capability (voltage, temperature, fan speed), Easy Access Door, DMI 2.1 compliant, ACPI support, Wake-on-LAN, WfM 2.0 (Wired for Management), Boot menu for determination of boot sequences, enabling/disabling integrated LAN via BIOS settings

Security features

User password, supervisor password, padlock loop (plus Kensington lock for 8050S only) for chassis lock on rear on system (optional)

Size (L x W x H) and weight

8050D: 433 x 409 x 139 mm, 11.0 kg (with CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive)

8050M: 181 x 396 x 363 mm, 11.3 kg (with CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive)

8050S: 350 x 399 x 93 mm, 8,5 kg (with slimline CD-ROMor slimline DVD-ROM drive)

E8050: 117 x 293 x 287 mm, 6.4 kg (with CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive)

Warranty

3-year warranty, first year on-site service

Options

8050M/8050D: Memory modules, CD-ROM drive, DVD-ROM drive, CD-RW/DVD-ROM drive, CD-RW drive , PCI Data/Fax/Voice V.90 modem

8050S: Memory modules, slimtype CD-ROM drive, slimtype DVD-ROM drive, PCI Data/Fax/Voice V.90 modem, PCI LAN card, 4 MB Add In Memory Module (AIMM), Kensington lock

E8050: Memory modules, CD-ROM drive, DVD-ROM drive, CD-RW/DVD-ROM drive, CD-RW drive, SelectBay CD-ROM, SelectBay DVD-ROM or SelectBay CD-RW/DVD-ROM drive, SelectBay adapter, external USB diskette drive, PCI V.90 modem, PCI LAN card, wireless LAN USB dongle, wireless USB keyboard and mouse, 4 MB Add In Memory Module (AIMM), LCD Stand Kit

For more information, please refer to our options brochure

TISB-version

Options: wireless LAN USB dongle

Bundled software: Windows® 98SE pre-installed (available in Dutch, French and English language versions) or Windows® 2000 and Windows® XP Pro selectable installation[3] available alternatively for an additional charge (limited language versions), Toshiba utilities and drivers, on-line user manual, WinDVD 2000 (only with DVD-ROM or CD-RW/DVD-ROM drive), Easy CD Creator (only with CD-RW/DVD-ROM drive), Adobe Acrobat Reader

1) One GB means one billion bytes
2) To be applied in countries where approved
3) Please note: From two Windows® operating systems pre-installed you can choose only one by one-time selection. If you desire the rejected operating system after you made a selection you need to acquire and pay for such operating system as a separate transaction.

The Equium concept

Specifications at a glance

Model

Full-size desktop (8100D)/Micro-tower (8100M)

Processor

Intel® Pentium® 4 processor 1.5 to 2 GHz, 400 MHz Front Side Bus, 256 KB 2nd level cache, Intel® 845 chipset, Micro ATX architecture, socket 478, AGP-Bus architecture

Hard disk

20[1]/40[1]/60 GB[1] capacity with 5.400 rpm or
20[1]/40[1]/60 GB[1] capacity with 7.200 rpm, S.M.A.R.T. hard disk

Memory

Standard 128 MB SDRAM, expandable to 1.5 GB

CD/DVD/CD-RW/DVD-ROM drive

CD-ROM drive (48-speed max.), data transfer 7,200 KB/sec, average random access time: 80 ms or

DVD-ROM drive (16-speed max. DVD-ROM, 48-speed max. CD-ROM), data transfer up to 21,100 KB/sec (DVD-ROM mode), average random access time: 100 ms (CD), 120 ms (DVD) or

CD-RW/DVD-ROM drive (32-speed max. CD-ROM, 8-speed max. CD-R, 8-speed max. CD-RW, 8-speed max. DVD-ROM), data transfer up to 10,800 KB/sec (DVD-ROM mode), average random access time: 110 ms (CD), 150 ms (DVD)

Diskette drive

3.5" diskette drive, 1.44 MB

Graphics adapter

nVIDIA VANTA, 128-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, 16 MB SDRAM RAM or

nVIDIA GeForce2 MX-200, 256-bit graphics accelerator, 4 x AGP bus, 128-bit BitBIT, 32 MB SDRAM RAM

External video modes

Up to 2,048 x 1,536 resolution, up to 16.7 million colours, up to 120 MHz refresh rate non-interlaced (1,280 x 1,024)

Keyboard

PS/2™ keyboard with 105 keys, 12 function keys, Windows® keys, Euro key

Pointing device

PS/2™ wheel mouse with two buttons and one wheel

Wired communication

Integrated 10/100 Ethernet LAN, optional PCI Fax/Data/Voice V.90 modem (56 Kbps data, 14.4 Kbps fax[2])

Sound system

Intel® 845 integrated + AD1885 CODEC, 16-bit stereo, Sound Blaster Pro compatible, 3D-wide mode, MIDI support

BIOS

Plug & Play, DMI 2.0 compliant, APM 1.2, ACPI 1.0, PnP 1.0a, DPMS, VESA 2.0, DDC2B, UDMA-33, UDMA-66, UDMA-100, USB 1.0

Interfaces

Line-in, line out, PS/2™ keyboard, PS/2™ mouse, external monitor (on AGP graphics card), RJ-45, 4 x USB (2 x front/2 x rear), parallel, 2 x serial, external microphone, MIDI/game, DC-in

Expansion

8100D: 2 x internal 3.5" bays (1 x used by hard disk), 1 x front 3.5" bay (used by diskette drive), 3 x PCI slots (full length), 2 x front 5.25" bays (free if not used by CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive), 1 x AGP slot (4x), 3 x DIMM sockets (1 x used by standard memory module)

8100M: 2 x internal 3.5" bay (1 used by hard disk), 2 x front 3.5" bay (1 xused by diskette drive), 3 x PCI slots (full length), 2 x front 5.25" bays (free if not used by CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive), 1 x AGP slot (4x), 3 x DIMM sockets (1 x used by standard memory module)

Power supply

250 W

Bundled software

Windows® 98SE pre-installed (limited language versions) or Windows® 2000 and Windows® XP Pro selectable installation[3] available alternatively for an additional charge (limited language versions), Toshiba utilities and drivers, on-line user manual, WinDVD 2000 (only with DVD-ROM or CD-RW/DVD-ROM drive), Easy CD Creator (only with CD-RW/DVD-ROM drive), Adobe Acrobat Reader

Bundled hardware

PS/2™ keyboard, PS/2™ mouse

Manageability features

BIOS flashing via operating system, Remote Boot, Hardware monitor capability (voltage, temperature, fan speed), Easy Access Door, DMI 2.1 compliant, ACPI support, Wake-on-LAN, WfM 2.0 (Wired for Management), Boot menu for determination of boot sequences, enabling/disabling integrated LAN via BIOS settings

Security features

User password, supervisor password, padlock loop for chassis lock on rear on system (lock not included with system)

Size (L x W x H) and weight

8100D: 433 x 409 x 139 mm, 11.0 kg (with CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive)

8100M: 181 x 396 x 363 mm, 11.3 kg (with CD-ROM, DVD-ROM or CD-RW/DVD-ROM drive)

Warranty

3-year warranty, first year on-site service

Options

memory modules, CD-ROM drive, DVD-ROM drive, CD-RW/DVD-ROM drive, CD-RW drive, diskette drive, PCI Data/Fax/Voice V.90 modem

For more information, please refer to our options brochure

TISB-version

Wireless communication: Wireless LAN via optional wireless LAN USB dongle

Options: Wireless LAN USB dongle

Bundled software: Windows® 98SE pre-installed (available in Dutch, French and English language version) or Windows® 2000 and Windows® XP Pro selectable installation[3] available alternatively for an additional charge (limited language versions), Toshiba utilities and drivers, on-line user manual, WinDVD 2000 (only with DVD-ROM or CD-RW/DVD-ROM drive), Easy CD Creator (only with CD-RW/DVD-ROM drive), Adobe Acrobat Reader

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The Equium concept

Competitive comparison

Toshiba's major competitors are IBM, Dell, Hewlet-Packard and Compaq. Like Toshiba, these competitors offer similar desktop models to both large accounts and the small/medium businesses.

The following table gives an overview about Toshiba's and its competitors' current product range and the segment which is addressed

Segment	Company Toshiba	Compaq	IBM	Hewlett-Packard	Dell
Small/Medium Business	Equium concept (8050/ 8100 series)	EVO D300	NetVista A20/ A40 Small Business	Brio BA410	Dimension 4200
Large Account	Equium concept (8050/ 8100 series)	EVO D500, iPAQ	NetVista A20/ A40	HP Vectra VL400, e-PC	OptiPlex GX 150

This table shows all competitors´ available form factors and the segment which is addressed.

Segment	Company Toshiba	Compaq	IBM	Hewlett-Packard	Dell
Small/Medium Business	Micro-tower, Full-size desktop, Slimline desktop, Innovative space-saving desktop	Full-size desktop, Micro-tower	Full-size desktop, Micro-tower	Micro-tower	Micro-tower
Large Account	Micro-tower, Full-size desktop, Slimline desktop, very small form factor	Micro-tower, Slimline desktop, very small form factor	Micro-tower, Full-size desktop, very small form factor	Micro-tower, Full-size desktop, very small form factor	Micro-tower, Slimline desktop, very small form factor

As illustrated above, nearly all the manufacturers listed offer the same range of desktop form factors. The presence of a very small form factor desktop chassis is particularly noticeable. PCs with this chassis size are currently considered to be a niche product, but are forecast to become more and more important in overall terms. This form factor is expected to feature the most technical innovations in the near future, i. e. minimised components, new technical features like Bluetooth and/or Wireless LAN etc. All the small form factor desktop PCs look highly fashionable and attractive compared to their Micro-Tower or desktop counterparts, which are low of diversification and differentiation for the old-fashined PC form factors. Nonetheless, very often functionality rules over beauty and design. Therefore the classic desktop PC will not lose on value in office environments.

Dividing the desktop PC market into segments like the large accounts and the small/medium businesses is not suitable anymore.

Like Toshiba, **IBM** had similar plans to change this. But in comparison to Toshiba, IBM gathered two different platforms under the name NetVista A-series (Celeron / Pentium III and Pentium 4 Brookdale) and even three different platforms under the name NetVista M-series (Celeron / Pentium III, Pentium 4 Brookdale and Pentium 4 RDRAM). This makes it not easy for customers to distinguish between the different platforms.

Toshiba on the other hand, will replace the classic two segment strategy (large accounts and small/medium businesses) by one single product family that will give customers the choice between two platform concepts, i. e. Pentium 4 based desktop PCs (Equium 8100D/M) and Celeron / PIII based desktop PCs (Equium 8050S/D/M and Equium E8050). Both concepts will guarantee platform stability combined with a wide range of form factors. Due to the different naming, customers can see from the first sight what platform concepts will suit most their requirements (providing platform stability, best value for money and best performance).

The Equium concept

Competitive comparison

Compaq is still going on with its classic organisation. A complete rework of the series names took already place; the well reputated EN- and EX series were replaced by the new EVO D500 and D300 series. Both series will be exclusively available with Pentium 4 (Brookdale) CPUs. In addition it is not known exactly what will happen to the brand name Compaq after the merger between Hewlett-Packard and them.

Dell will keep going on with their aggressive price policy. They were the first competitor that offered a Pentium 4 CPU with 2 GHz. In comparison to Hewlett-Packard, Dell will keep going on with its low-priced desktop policy. Therefore it can be assumed that Dell will still be a tough competitor regarding the small/medium business customer where the price is at a premium. Dell has updated its product range recently. The new Dimension and OptiPlex models both come with Celeron and Pentium 4 CPUs. While the Dimension series only offers Midi-Tower form factors with Celeron / PIII, Pentium 4 (Brookdale) and Pentium 4 (RDRAM) CPUs, the OptiPlex models either come with a small form factor with Celeron / PIII CPUs and a Micro-Tower with Pentium 4 CPUs (Brookdale). Dell is still organising its product families into two segments large account (OptiPlex desktop series) and small/medium business (OptiPlex and Dimension desktop series).

Hewlett-Packard finally is also going on keeping the classic segmentation into large and small/medium businesses. But beside this, they created a new segment – the networked environment segment (E-PC series). This ultra (or very) small form factor PC comes with Celeron and Pentium III CPUs while Brio (small / medium corporates) desktop PCs will be available as Micro-Tower and Vectra (large corporates) desktop PCs will be available in Micro-Tower and desktop form factors. Due to the fact that the Brio is only available with Celeron and PIII CPUs, it is possible that Hewlett-Packard discontinues this series in favour of keeping only the Vectra desktop series alive. If so, the classic segmentation large and small / medium corporates would be not necessary anymore.

TekBright monitor series:

Picture-perfect technology.

The perfect complement to Toshiba's Equium desktop range – a choice of top-quality, high-performance monitors to suit every application. All models incorporate the latest advanced technology for brilliant clarity and stunning reproduction of text and graphics.

Why choose the TekBright series?

- Excellent quality and performance at affordable prices
- Advanced CRT monitor and TFT flat panel screen technologies to suit a range of needs; display sizes up to 19"
- Easily accessible controls for precise screen adjustments
- Ergonomics and safety complying with the highest industry standards
- Designed to complement the Toshiba Equium desktop range for a coordinated look on your desktop

TekBright 60A
TekBright 717
TekBright 725
TekBright 925

TekBright 60A

Specifications at a glance

Model
TekBright 60A

Type
Active matrix colour TFT

Screen size
15” (38.1 cm) diagonal viewing image

Resolution
XGA 1024 x 768

Display area
304.1 x 228.1 mm

Response time (TR + TF)
40 ms + 10 ms Typ.

Contrast ratio
250 : 1 Typ.

Brightness
200 cd/m2 Typ.

Panel colour
262 K

Backlight
2 lamps

View angle
(H) ± 60° / (V) ± 45° (CR ≥ 10)

Power
On / Off with LED indicator

OSD
1 page/5 languages

Volume
Analogue

Digital control
Brightness, contrast, horizontal position, vertical position, phase, clock, auto-expansion, colour temperature, OSD position, auto-centring, auto-clock & auto-phase, recall, 5 languages

Video input signal
Analogue RGB 0.7Vp-p; Multimode supportedVGA, SVGA, XGA, VESA, NEC, APPLE

Horizontal frequency
24 – 60 Hz

Vertical frequency
56 – 75 Hz

Expansion
Full screen

Audio
1 W per channel (2 built-in speakers)

Power management
VESA DPMS, On: 30 W (max.)/Off: 5 W (max.)

Plug & Play
DDC1 & DDC2B

External connection
Power input: DC 12 V / 2.83 A, Video cable: 1.5 M with 15-pin D-Sub connector

Stand
Tilt: +5° to –20°

Physical security
Kensington lock

Environment
Operating temperature and humidity: 5 to 40°C and 20 to 80%, Storage temperature and humidity: –20 to 60°C and 5 to 85%

Regularity
Safety: UL, CSA, TÜV/GS, CE, T-Mark, ISO9241-3/-8, NORDIC EMI: FCC/B, CE, VCCI, TCO 99

Size (L x W x H) and weight
374 x 171 x 382 mm, 5.7 kg

Warranty
3-year warranty, first year on-site service (if purchased together with Toshiba Equium PC)

TekBright CRT monitor series

Specifications at a glance

Model
TekBright 717
Type
Flat square picture tube (FST)
Screen size
17" (43.2 cm), 16" (40.7 cm) diagonal viewing image
Dot pitch
0.27 mm
Maximum resolution
1,280 x 1,024 with 60 Hz
Scanning frequency
Horizontal: 30 to 70 kHz, Vertical: 50 to 160 Hz
Max. video input bandwidth
108 MHz
Display area
Active area: approx. 325 x 242 mm
Input signal
Video: analog 0.7 V, Sync: digital 3.3 V (pos./neg. separate)
Input connector
15-pin mini D-sub type
Display colours
Analog input, unlimited colours
Power source
90 – 264 VAC (47 – 63 Hz), single phase, full-range
Front Panel controls
Power on/off, OSD, adjust buttons
Power consumption
85 W (max.)
Power management
EPA Energy Star, NUTEK, VESA DPMS signalling method
Plug & Play
VESA DDC 1 & 2B standards compliant
Safety regulations
UL, DHHS, CSA, TÜV, CE, NORDIC (NEMKO, SEMKO, FIMKO, DEMKO), CB Report
Ergonomics
ISO 9241-3 /-7 /-8, MPR II, TCO 99
Size (W x D x H) and weight
400 x 404 x 422 mm, 15 kg
Ambient temperature
Operating: 0°C to 40°C, Storage: -20°C to 65°C
Humidity
Operating: 20 to 95%
Special features
Enhanced contrast, high sensitivity, dark-tinted CRT, INVAR shadow mask, advanced anti-reflection, anti-glare and anti-static coating with low electromagnetic field
Warranty
3-year warranty, first year on-site service (if purchased together with Toshiba Equium PC)

Model
TekBright 725
Type
Flat square picture tube (FST)
Screen size
17" (43.2 cm), 16" (40.7 cm) diagonal viewing image
Dot pitch
0.26 mm
Maximum resolution
1,600 x 1,200 with 75 Hz
Scanning frequency
Horizontal: 30 to 96 kHz, Vertical: 50 to 160 Hz
Max. video input bandwidth
135 MHz
Display area
Active area: approx. 325 x 243 mm
Input signal
Video: analog 0.7 V, Sync: digital 3.3 V (pos./neg. separate)
Input connector
15-pin mini D-sub type
Display colours
Analog input, unlimited colours
Power source
90 – 264 VAC (47 – 63 Hz), single phase, full-range
Front Panel controls
Power on/off, OSD, adjust buttons
Power consumption
85 W (typ.)
Power management
EPA Energy Star, NUTEK, VESA DPMS signalling method
Plug & Play
VESA DDC 1 & 2B standards compliant
Safety regulations
UL, C-UL, FCC-B, CE, TÜV/GS, MPR-II
Ergonomics
TCO 99, DHHS, ISO 9241-35
Size (W x D x H) and weight
434.5 x 404 x 433 mm, 18.4 kg
Ambient temperature
Operating: 0°C to 40°C, Storage: -20°C to 60°C
Humidity
Operating: 10 to 90%
Special features
Enhanced contrast, dark-tinted CRT, anti-static coating with low electromagnetic field
Warranty
3-year warranty, first year on-site service (if purchased together with Toshiba Equium PC)

Model
TekBright 925
Type
Flat square picture tube (FST)
Screen size
19" (48.3 cm), 18" (45.7 cm) diagonal viewing image
Dot pitch
0.22 mm
Maximum resolution
1,600 x 1,200 with 85 Hz
Scanning frequency
Horizontal: 31 to 115 kHz, Vertical: 50 to 160 Hz
Max. video input bandwidth
230 MHz
Display area
Active area: approx. 365 x 275 mm
Input signal
Video: analog 0.7 V, Sync: digital 3.3 V (pos./neg. separate)
Input connector
15-pin mini D-sub type
Display colours
Analog input, unlimited colours
Power source
90 – 264 VAC (47 – 63 Hz), single phase, full-range
Front Panel controls
Power on/off, OSD, adjust buttons
Power consumption
98 W (typ.)
Power management
EPA Energy Star, NUTEK, VESA DPMS signalling method
Plug & Play
VESA DDC 1 & 2B standards compliant
Safety regulations
UL, C-UL, FCC-B, CE, TÜV/GS, MPR-II
Ergonomics
TCO 99, DHHS, ISO 9241-35
Size (W x D x H) and weight
450 x 448 x 442 mm, 24 kg
Ambient temperature
Operating: 5°C to 35°C, Storage: -20°C to 60°C
Humidity
Operating: 10 to 80%
Special features
Enhanced contrast, dark-tinted CRT, advanced anti-reflection, anti-glare and anti-static coating with low electromagnetic field
Warranty
3-year warranty, first year on-site service (if purchased together with Toshiba Equium PC)

The Server Solution

Toshiba empowers productive wireless working with the Magnia SG20 and Magnia Z300. These products integrate wireless technology as well as high performance, reliability, and manageability into innovative servers that to add a new dimension to fulfilling a business' changing needs, simply and conveniently.

The Magnia SG20 can be used as an inexpensive means:

- to set-up a temporary network when a business expands to an external building
- to set-up a temporary network when there is a move to another floor
- to set-up a simply network for visitors, i.e. consultants who spend a short time at company
- to set-up a simply network for a training facility
- in a branch office of a large company to pass information from the remote office to a central server
- in a workgroup or a company of more than 2 PCs to share a printer, internet connection or files
- in a home environment when 2 or more PCs need to share a printer, internet connection or files

The Magnia Z300, as the "bigger" brother of the Magnia SG20, is scalability to grow as a business' needs change. The Magnia Z300 can be used:

- as a front end server in a cluster environment to support web activities
- as a small database server with large external hard disk space
- as a access point for a growing workgroup/departmental

Magnia SG20:

The multi-functional appliance server.

Now you can revolutionise everyday communication in your company, small department or home office. Offering secure wireless connectivity and impressive pre-installed software, the Magnia SG20 is the simple, cable-free way to share devices and services or access the internet – all at a price that won't hurt your pocket.

Why choose Magnia SG20?

- Wireless connectivity – work anywhere you choose
- Pre-installed software – no need for any IT experience
- Data protection – never worry about losing important information
- Easy set-up – complete networking in less than 30 minutes
- Free software upgrade service – the easy way to stay up-to-date after purchase

Magnia SG20

Magnia SG20

Specifications at a glance

Model
Tower

Processor
Intel® Celeron™ 566 MHz processor

Main Memory
64 MB SDRAM with ECC

Storage Bays
Two hard disk drive bays (occupied)

Disk Storage
2 x 15 GB or 2 x 30 GB internal storage

Network Interface
Eight integrated 10/100 RJ-45 LAN ports and one private RJ-45 uplink port (for expansion)

I/O Ports/Slots
1 x modem port, 1 x parallel port, 1 x PCMCIA slot (Wireless IEEE 802.11b only)

LCD
Sixteen character LCD, backlit

Power supply
AC 100 V – 240 V, 50/60 Hz, 120 W

Software
Pre-installed open source Linux

Special Features
E-mail: Exchange emails with friends & colleagues
Intranet: Host internal web-site
Print Services: Sharing one printer with all PCs
File Services: Sharing data between all PCs
Backup: Scheduled backup to a 2nd hard disk drive
Firewall: Protection against external intrusion
Web Caching: Save commonly accessed web-sites to hard disk drive
Wireless Connectivity: Act as wireless access point
Remote Access: Authorised person can gain access from outside

Dimensions (W x D x H)
340 x 269 x 69 mm

Weight
4.95 kg

Warranty
3 years, carry-in

Magnia SG20

Competitive comparison

What is an appliance server?

- Appliance servers are computers designed to provide a single dedicated service or a predefined suite of services:
  - Appliance servers are non-programmable, pre-configured, and sealed systems
  - They are designed for ease of deployment and use as well as minimal cost of ownership
- The Magnia SG20 is a single solution server for non-technical people that need to connect their employees, customers, and suppliers quickly and easily

The main competitor products to the Magnia SG20 are Right Vision's Eye-box Max and Sun's Cobalt Qube 3. These products all offer different hardware specifications, but have similar functionality in regards to the pre-installed software with Internet, Intranet, firewall, print services, etc. The Magnia SG20 unique selling point is that it provides these services and more with the flexibility of wireless as a price that is very attractive.

Magnia 510D:

Valued priced power and scalability for small networks.

With its affordable pricing, impressive features and wide range of upgrade options, the Magnia 510D is a flexible, cost-effective server solution for every budget-conscious small business or fast-growing department.

Why choose Magnia 510D?

- IDE, SCSI or RAID models – choose the model depending on your requirements
- Snap-ins for market standard management software – not locked to one manageability environment
- Market standard components – for maximum performance and stability
- Easy access to components – less time for doing future expansion and maintenance
- Scalable components – grow the server for future business growth

Magnia 510D

Magnia 510D

Specifications at a glance

Model
Tower

Processor
Intel® Pentium® III processor, 133 MHz Front Side Bus, 733 MHz/866 MHz/1 GHz

Upgradability
Dual processing possible, one processor standard

Cache
256 KB 2nd level cache

Chipset
VIA Apollo Pro 133A

Main Memory
128 MB standard, 2 GB maximum PC 133 SDRAM, ECC

Storage Bays
3 x 3.5" (1 bay used by diskette drive), 4 x 5.25" (1 bay used by CD-ROM)

Disk Storage
150 GB IDE or 144 GB SCSI maximum storage

Optional RAID Controller
1 channel RAID controller

CD-ROM
40-speed, IDE

Diskette drive
1.44 MB, 3.5"

I/O Expansion Slots
5 x 32-bit/33 MHz PCI slots (LAN card occupies one slot), 1 x AGP (occupied by video card)

Network Interface
LAN card: D-link 100 Base-TX/10 Base Ethernet

Graphics
AGP card with 8 MB DRAM

SCSI Controllers
Two integrated IDE controllers and/or SCSI controller

Certified Software
Windows NT® 4.0, Windows® 2000, Novell NetWare 4.x/5.x

I/O Ports
1 x serial, 1 x parallel, 1 x mouse, 1 x keyboard, 1 x external monitor, 1 x RJ-45, 2 x USB

Input Devices
Two-button mouse and keyboard with 105 keys

Fans
Standard with constant speed

Power supply
AC 100 V – 240 V, 50/60 Hz, 384 W max. power consumption

Software
Intel® LANDesk Server Manager (LDSM v6.x) and Server Setup Tool (SST)

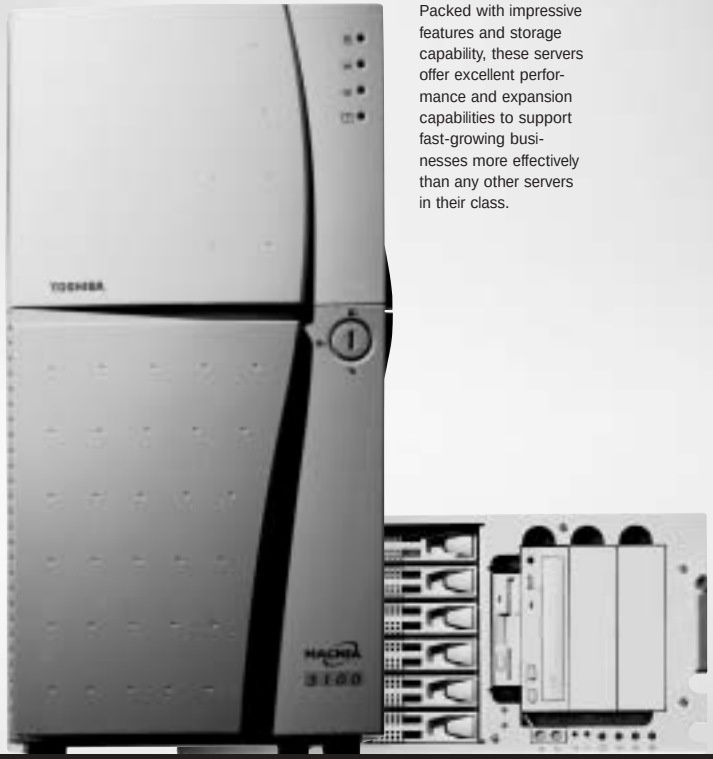
Dimensions (W x D x H)
195 x 499 x 450 mm

Weight
18 kg

Warranty
3 years, on-site

Magnia 3100/3100R series:

Combines the power and functionality that outerforms others in its class.



Packed with impressive features and storage capability, these servers offer excellent performance and expansion capabilities to support fast-growing businesses more effectively than any other servers in their class.

Why choose Magnia 3100/3100R series?

- Tower or 5U rack models – flexible configurations for different business environments
- Redundant options – for ensuring a more robust and reliable system
- Scalable components – grow the server for future business growth
- Snap-ins for market std. management software – not locked to one manageability environment
- Tool free access to components – less time for doing future expansion and maintenance

Magnia 3100/3100R

Magnia 3100/3100R series

Specifications at a glance

Model
Rack or tower

Processor
Intel® Pentium® III processor, 133 MHz Front Side Bus, 733 MHz, 866 MHz and 1 GHz

Upgradability
Dual processing possible, one processor standard

Cache
256 KB 2nd level cache

Chipset
ServerWorks LE3.0

Main Memory
128 MB standard, 4 GB maximum PC 133 registered SDRAM, ECC

Storage Bays
1 x 3.5" (used by diskette drive), 3 x 5.25" (1 bay used by CD-ROM), 6 x 3.5" SCA hot-swap bays with 1" height HDD support

Disk Storage
438 GB maximum storage (6 x 73 GB Ultra 160 SCSI hard disks)

Optional RAID Controller
1 channel or 2 channel SCSI RAID controller

CD-ROM
48-speed, IDE

Diskette drive
1.44 MB, 3.5"

I/O Expansion Slots
6 PCI slots: (2 x 66 MHz/64-bit, 4 x 33 MHz/32-bit) – one 33 MHz/32-bit slot occupied by SM card

Network Interface
Integrated 100 Base-TX/10 Base Ethernet on SM card

Graphics
PCI graphics controller ATI RAGE XL 3D (4 MB SDRAM)

SCSI Controllers
One 2CH SCSI controller

Certified Software
Windows NT® 4.0, Windows® 2000, Novell NetWare 4.x/5.x

I/O Ports
2 x serial, 1 x parallel, 1 x mouse, 1 x keyboard, 1 x external monitor, 1 x RJ-45

Input Devices
Two-button mouse and keyboard with 105 keys (tower only)

Fans
Redundant option, speed auto changeable

Power supply
AC 100 V – 240 V, 50/60 Hz, 400 W max. power consumption, redundant hot-swappable option available

Software
Intel® LANDesk Server Manager (LDSM v6.x) and Server Setup Tool (SST)

Dimensions (W x D x H)
220 x 586 x 444 mm – pedestal
424 x 570 x 218 mm – rack-mounted (5U)

Weight
35 kg (pedestal), 39 kg (rack model)

Warranty
3 years, on-site

Magnia 3135R series:

The powerful and ultra-flexible rack-mount solution.

The Magnia 3135R server with its 2U design allows you to save space without compromising on performance. Optimised for rack-mounting, they offer sparkling performance and a host of upgrade options. This is a highly dependable server solution for mid-sized corporate networks with built-in investment protection, making it possible to scale performance to keep pace with growth.

Why choose Magnia 3135R series?

- 2U design for rack-mounting enables space-saving installation of several servers
- Dual Intel® Pentium® III processors running at up to 800 MHz for top performance
- 128 MB of ECC SDRAM upgrade-able to 2 GB for maximum data throughput
- Four 1" hot-swappable hard disks offer up to 72 MB
- Two full-length PCI slots for enhanced connectivity and greater network availability

Magnia 3135R

Magnia 3135R series

Specifications at a glance

Model
2U rack

Processor
Intel® Pentium® III processor, 133 MHz Front Side Bus, 866 MHz and 1 GHz

Upgradability
Dual processor possible, one processor standard

Cache
256 KB 2nd level cache

Chipset
ServerWorks Entry ServerSet III LE

Main Memory
128 MB standard, 4 GB maximum PCI 133 registered SDRAM ECC

Storage Bays
1 x 3.5" (used by diskette drive)
1 x 5.25" (used by CD-ROM drive)
4 x 3.5" hot-swap SCA bays with 1" height support

Disk Storage
144 GB maximum storage (4 x 36 GB Ultra 160 SCSI hard disks)

Optional RAID Controller
1 channel SCSI RAID controller

CD-ROM
24-speed, IDE

Diskette drive
1.44 MB, 3.5"

I/O Expansion Slots
1 x 66 MHz / 64-bit PCI and 1 x 33 MHz / 32-bit PCI slots

Network Interface
Integrated 10/100 Ethernet on PCI bus (100 Base-TX/10 Base-T)

Graphics
ATI Rage IIC controller (4 MB VRAM)

SCSI Controllers
One 2CH SCSI controller

Certified Software
Windows NT® 4.0, Windows® 2000, Novell Netware® 4.x/5.x

I/O Ports
2 x serial, 1 x parallel, 1 x mouse, 1 x keyboard, 1 x external monitor, 1 x RJ-45, 2 x USB

Input Devices
Optional

Fans
Standard with constant speed

Power supply
AC 100 V – 240 V, 50/60 Hz, 275 W standard

Software
Intel® LANDesk Server Manager (LDSM v6.x)

Dimensions (W x D x H)
435 x 575 x 88 mm

Weight
21 kg (including rack rails)

Warranty
3 years, on-site

Magnia Z300:

The unique wireless, space-saving server solution.

Drawing on long-term experience in developing miniaturised technologies, Toshiba has created the breakthrough Magnia Z300 server – one of the world´s smallest dual processor server with enormous built-in capability. Its unique combination of wireless networking, space-saving modular design and easy-manageability opens up exciting new dimensions in workgroup and departmental server performance while also reducing Total Cost of Ownership.

Why choose Magnia Z300 server?

- Wireless connectivity – frees people to work where they want
- Compact design – saves space with no loss in performance or scalability
- Modular architecture – grow your network as needs change
- Cutting edge IDE RAID technology – for reliable data security and excellent performance
- Easy to manage – state-of-the-art management tools, including proactive web-based monitoring

Magnia Z300

Magnia Z300

Specifications at a glance

Model
System Unit (rack or tower)

Processor
Intel® Pentium® III, 1GHz

Standard (Maximum)
1 standard (2 max.)

L1 (L2) Cache
32 KB (256 KB)

Chipset
VIA Apollo Pro133A

Standard (Maximum) memory
256 MB (3 GB) PC133 Registered SDRAM with ECC

IDE Hard Disk Drive Bays
Two Ultra DMA100 hot-swap 3.5"/25 mm bays

Maximum Internal Storage
152 GB (2 x 76 GB)

IDE RAID
Integrated IDE RAID controller

RAID Levels
RAID levels 0,1

CD-ROM Drive
Slim type (ATAPI x24)

Network Interface Controller
Two integrated 10/100 Ethernet controllers

Video Controller
Integrated video controller with 8 MB VRAM

SCSI Controller
One Ultra 160 on PCI riser board

BMC Controller
Standard on board

Keyboard
Standard (optional for rack model)

Mouse
Standard (optional for rack model)

Cooling Fans
Standard, variable speed

I/O Slots
One 64 bit/66 MHz PCI 3.3v (194.63 mm max. card length), One PCMCIA slot (Wireless LAN only)

I/O Ports
1x VGA
1x serial
2x USB (front)
2x LAN
2x PS/2 (keyboard and mouse)
1x Ultra160 SCSI

Certified Software
Windows NT® 4.0, Windows® 2000, Redhat Linux 7.x, NetWare 4.x/5.x (pending)

Power Input
AC 100 – 240 V, 50/60 Hz

Maximum Power Consumption
160 W

Dimensions (W x D x H)
Micro tower: 233 x 426.5 x 99 mm
Rack mounted:
219.4 x 425 x 85 mm

Weight
8.5 kg

Warranty
3 years on-site

Model
Expansion Hard Drive Unit* (rack or tower)
* Only two Expansion Hard Drive Units can be connected to a System Unit by using a 2ch RAID card, i.e. AMI MR493

Number of Bays
Four 3,5"/25 mm hot-swap Ultra 160 SCSI

Maximum Internal Storage
292 GB (4 x 73 GB)

I/O Ports
One SCSI LVDS
Two external unit control connector (10 pin)

Management
Fan, temperature, voltage are monitored by system unit via External Unit Control Cable

Power Input
AC 100 – 240 V, 50/60Hz

Maximum power consumption
100 W

Dimensions (W x D x H)
Micro tower: 233 x 396.5 x 99 mm
Rack mounted: 219.4 x 395 x 85 mm

Weight
8.4 kg

Warranty
3 years on-site

Model
Expansion Device Bay Unit* (rack or tower)
* Only two Expansion Device Bay Units can be connected to with a System Unit

Interface
Non intelligent and SCSI Ultra wide

Back-up Devices supported
One DDS4, AIT2

I/O Ports
Two SCSI Ultra wide x2
Two external unit control connector (10 pin)

Management
Fan, temperature, voltage are monitored by system unit via External Unit Control Cable

Power Input
AC 100 – 240 V, 50/60 Hz

Maximum power consumption
50 W

Dimensions (W x D x H)
Micro tower: 233 x 396.5 x 99 mm
Rack mounted: 219.4 x 395 x 85 mm

Weight
7.0 kg

Warranty
3 years on-site

Magnia 7100/7100R series:

Computing power, enterprise-class features and scalability that offers real investment protection.

For medium and large-sized organisations where outstanding performance, heat management, availability and scalability are essential. Ideal for the most demanding e-commerce and database applications.

Why choose Magnia 7100/7100R series?

- Hot-plug fans, power supplies and PCI slots – change components without re-booting the system
- Market standard components – for maximum performance and stability
- Scalable components – grow the server for future business growth
- Snap-ins for market std. management software – not locked to one manageability environment
- Tool free access to components – less time for doing future expansion and maintenance

Magnia 7100/7100R

Magnia 7100/7100R series

Specifications at a glance

Model
Rack or tower

Processor
Intel® Pentium® III Xeon™ processor, 100 MHz Front Side Bus, 700 MHz

Upgradability
Quad processing capable, one processor standard

Cache
1 MB or 2 MB 2nd level cache

Chipset
ServerWorks Champion 2HE

Main Memory
512 MB standard, 16 GB maximum PC 100 registered SDRAM, ECC

Storage Bays
1 x 3.5" (used by diskette drive), 3 x 5.25" (1 bay used by CD-ROM), 6 x 3.5" SCA hot-swap bays with 1" height HDD support, Optional second HDD cage supports 6 additional SCA hot-swap 1" bays

Disk Storage
876 GB maximum storage (12 x 73 GB Ultra 160 SCSI hard disks)

Optional RAID Controller
2 channel SCSI RAID controller
CD-ROM 32-speed, SCSI

Diskette drive
1.44 MB, 3.5"

I/O Expansion Slots
8 PCI slots: (6 x 33 MHz/64 bit hot plug, 2 x 33 MHz/32 bit)

Network Interface
Integrated 100/10 Ethernet on PCI bus (100 Base-TX/10 Base-T)

Graphics
PCI graphics controller ATI RAGE2C on board (2 MB SGRAM)

SCSI Controllers
One 2CH SCSI controller
One 1CH SCSI controller

Certified Software
WindowsNT® 4.0, Windows® 2000, Novell Netware 4.11/5.x

I/O Ports
2 x serial, 1 x parallel, 1 x mouse, 1 x keyboard, 1 x external monitor, 1 x RJ-45, 2 x USB

Input Devices
Two-button mouse and keyboard with 105 keys (tower only)

Fans
Redundant hot-swap option, speed auto changeable

LCD
16 x 2 character type, reports: system configuration, BIOS Post Trace, and fan, power supply, HDD, CPU and VRM failures

Power supply
AC 100 V – 240 V, 50/60 Hz, 850 W max. power consumption, (maximum 3 hot-swappable power supplies)

Software
Intel® LANDesk Server Manager (LDSM v6.1) and Server Setup Tool (SST)

Dimensions (W x D x H)
311 x 780 x 540 mm – pedestal
445 x 726 x 309 mm – rack-mounted (7U)

Weight
75 kg

Warranty
3 years, on-site

From Magnia 510D to Magnia 7100

Competitive comparison

Toshiba competes in the server segment against competitors like Compaq, HP, IBM, Dell, Fujitsu-Siemens, and NEC. The benefit of the Magnia server series is the outstanding investment protection that they offer to secure the competitiveness of a network into the future, especially for mobile workers. The Magnia servers rounds-out our product portfolio as a supplier of notebooks, desktops and servers, and as Toshiba we understand the needs of the mobile workers because we are a market leader in mobile computing.

Product Segment	**Entry Level**	**Workgroup/Departmental**			**Enterprise**
Task	File/Print	Web/Mail	Web/Mail	Small database	Large database
Toshiba	Magnia 510D	Magnia Z300	Magnia 3135R	Magnia 3100	Magnia 7100
Processor	Up to PIII 1 GHz	Up to PIII 1 GHz	Up to PIII 1 GHz	Up to PIII 1 GHz	Upto PIII Xeon 900 MHz
Memory	Up to 2 GB	Up to 3 GB	Up to 4 GB	Up to 4 GB	Up to 16 GB
Storage	Up to 150 GB IDE or 144 SCSI	Up to 152 GB IDE and 584GB SCSI	Up to 144 GB	Up to 438 GB	Up to 876 GB
Compaq	Proliant ML350 G2	Proliant DL380 G2 Proliant ML370 G2	Proliant DL380 G2	Proliant ML370 G2	Proliant ML570
Processor	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII Xeon 900 MHz
Memory	Up to 4 GB	Up to 6 GB	Up to 6 GB	Up to 6 GB	Up to 16 GB
Storage	Up to 509 GB	Up to 218 GB	Up to 218 GB	Up to 218 GB	Up to 437 GB
IBM	xSeries 220	xSeries 330 xSeries232	xSeries 330	xSeries 232	xSeries 250
Processor	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII Xeon 900 MHz
Memory	Up to 4 GB	Up to 4GB	Up to 4 GB	Up to 4 GB	Up to 16 GB
Storage	Up to 293.6 GB	Up to 146.8 GB or 660.6 GB	Up to 146.8 GB	Up to 660.6 GB	Up to 364 GB
HP	NetServer e800	NetServer lp 2000r NetServer LC 2000	NetServer lp 2000r	NetServer LC 2000	NetServer LH6000
Processor	Up to 1 GHz	Up to PIII 1.26 GHz or 1 GHz	Up to PIII 1.26 GHz	Up to 1 GHz	Up to PIII Xeon 700 MHz
Memory	Up to 2 GB	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 8 GB
Storage	Up to 145.6 GB	Up to 218 GB or 440 GB	Up to 218 GB	Up to 440 GB	Up to 513.2 GB
Dell	PowerEdge 1400 SC	PowerEdge 2550 PowerEdge 2500	PowerEdge 2550	PowerEdge 2500	PowerEdge 6400
Processor	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz or 1.13 GHz	Up to PIII 1.26 GHz	Up to PIII 1.13 GHz	Up to PIII Xeon 900 MHz
Memory	Up to 2 GB	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 8 GB
Storage	Up to 292 GB	Up to 365 GB or 584 GB	Up to 365 GB	Up to 584 GB	Up to 730 GB
Fujitsu-Siemens	Primergy B210	Primergy P200 Primergy F200	Primergy P200	Primergy F200	Primergy H400
Processor	Up to PIII 1 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII 1.26 GHz	Up to PIII Xeon 700 MHz
Memory	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 16 GB
Storage	Up to 144 GB	Up to 438 GB	Up to 438 GB	Up to 438 GB	Up to 432 GB
NEC	Express5800 120Ed	Express5800 120Rc-2 Express5800 120Le	Express5800 120Rc-2	Express5800 120Le	Express5800 140Hb
Processor	Up to PIII 933 MHz	Up to PIII 933 MHz	Up to PIII 933 MHz	Up to PIII 933 MHz	Up to PIII Xeon 700 MHz
Memory	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 4 GB	Up to 16 GB
Storage	Up to 182 GB	Up to 182 GB or 218.4 GB	Up to 182 GB	Up to 218.4 GB	Up to 364 GB

The Toshiba Pocket PC e570:

A stylish and versatile companion with amazing wireless capabilities.

This extraordinary pocket-size personal digital assistant is in a class of its own. On board is the most comprehensive technology and an amazing range of innovations, providing users with new freedom to manage their working and personal lives anywhere, anytime.

Why choose the Toshiba Pocket PC e570?

- High-end performance – exceptionally fast, powerful colour PDA
- Extensive connectivity and storage – also enabled for wireless communication
- Exciting multimedia features – entertainment, stereo sound and video on the move
- Ultimate traveling companion – lightweight design fits hand or pocket
- Ready to use – everything bundled in the box

Toshiba Pocket PC e570

Toshiba Pocket PC e570

Specifications at a glance

Processor
Intel® StrongARM™ 206MHz

Display
A-Si TFT reflective color LCD, 240 x 320 x 64K color

RAM
64 MB

ROM
32 MB

Ports
USB, serial, IrDA (115 Kbps)

Card slots
SD™, CF-II

Audio
Speaker, microphone, Stereo mini jack

Multimedia
MP3, MPEG4

Battery
Advanced lithium ion, up to 8 hours

Weight
180 g

Dimensions
77 mm x 125 mm x 17.5 mm

Warranty
Two years

Operating System
Microsoft® Pocket PC 2002

Bundled hardware
Stylus, USB cradle, AC adapter, AC power cable, soft case, quick start guide

The Toshiba docking range:

The best way to get more out of your notebook.

Toshiba´s comprehensive choice of connectivity solutions is designed to support most networking, communication and expansion needs. A solutions maximise the expandability of your Toshiba notebook by offering wide range of ports and interfaces. They provide connection options for keyboard, mouse, monitor and other peripherals in one easy step. Leaving them permanently attached to your docking station brings added convenience.

Why choose the Toshiba docking range?

- Toshiba docking solutions provide an extensive choice of options that allow you to customize your notebook to meet your specific needs
- Toshiba docking solutions expand your notebook into a fully-fledged desktop
- Toshiba docking solutions add an extra dimension to your notebook
- Toshiba docking solutions feature state-of-the-art technology
- This solution offer you the perfect answer for linking up your notebook to your office

Card Station IV
Port Replicator
NetDock Port Replicator
Expansion Station
CardDock
Advanced Port Replicator

The Toshiba docking range

Specifications at a glance

Card Station IV

Interfaces
- Serial
- Parallel
- External monitor
- 2 x USB
- PS/2™ keyboard
- PS/2™ mouse
- External microphone
- Line-in
- Line-out
- Slot for Kensington Cable lock (with integrated security for PC Card slot)
- Lock for added security
- Power supply

Expansion slots
- Slot for 1 x Type III or 1 x Type II PC Card

Technology
- 32-bit PCI bus
- PCMCIA compatible PC Card slot

Compatibility
- Compatible with Satellite Pro 4600 series and with the Satellite Pro 4300 series with 60 W spare AC adaptor

Weight
- 1.6 kg

Dimensions
- 320 x 37.5 x 55 mm

Warranty
- 1-year international warranty

Port Replicator

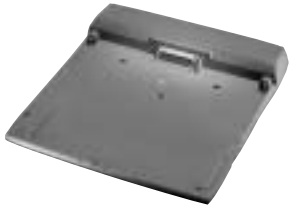
Interfaces
- Serial
- Parallel
- External monitor
- 2 x USB
- PS/2™ keyboard
- PS/2™ mouse
- External microphone
- Line-in
- Line-out
- Slot for Kensington Cable lock
- Joystick/MIDI
- Power supply

Compatibility
- Compatible with the Satellite Pro 4600 series and with the Satellite Pro 4300 series with 60 W spare AC adaptor

Weight
- 1.3 kg

Dimensions
- 320 x 310.5 x 55 mm

Warranty
- 1-year international warranty



NetDock Port Replicator

Interfaces
- Serial
- Parallel
- External monitor
- 2 x USB
- PS/2™ keyboard
- PS/2™ mouse
- RJ 45 (Ethernet)
- Line-in
- Line-out
- PCI serial port for Expansion Station connection

Other features
- Volume control
- Eject lever
- Remote management with 3COM LAN chip (Wake-On-LAN, Service Boot)
- Hot dock/undock supported

Security
- Slot for Kensington Cable lock

Compatibility
- Specially developed for the Tecra 8100 and Tecra 8200 series

Weight
- 1.4 kg

Dimensions
- 331 x 344 x 57 mm

Warranty
- 1-year international warranty

The Toshiba docking range

Specifications at a glance

Expansion Station

Interfaces
- Serial PCI for connection to NetDock Port Replicator

Expansion slots
- 1 three quarter PCI slot
- 1 half-size PCI slot

Drive Bay
- 1 x 3.5" drive bay
- 1 x 5.25" drive bay for alternative SelectBay
- most SelectBays from Tecra 8100 are supported (Tecra 8100 SelectBay FDD and battery not supported)

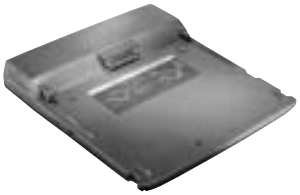
Compatibility
- Compatible with Tecra 8100 and Tecra 8200 notebooks with NetDock Port Replicator

Boundled
- Serial PCI cable
- Serial PCI interface

Weight
- 5.5 kg

Dimensions
- 383 x 373 x 89 mm

Warranty
- 1-year international warranty



CardDock

Interfaces
- Serial
- Parallel
- External monitor
- 2 x USB
- PS/2™ keyboard
- PS/2™ mouse
- Line-in
- Line-out

Security
- Security
- Slot for Kensington Cable lock (with integrated security for PC Card slot)
- Lock for added security

Other features
- Eject lever
- Hot dock/undock supported

Expansion
- Slot for 1 x Type III or 1 x Type II PC Card

Technology
- 32-bit PCI bus
- PCMCIA compatible PC Card slot

Compatibility
- Compatible with Tecra 8100 and Tecra 8200 notebooks

Weight
- 1.6 kg

Dimensions
- 331 x 379 x 59 mm

Warranty
- 1-year international warranty

Advanced Port Replicator

Interfaces
- Serial
- Parallel
- External monitor
- 2 x USB
- PS/2™
- Line-in
- Line-out
- RJ-11
- RJ-45
- i.LINK® (IEEE 1394) – only with Tecra 9000
- DVI connectivity – only with Tecra 9000
- DC-in
- Power on/off switch

Security
- Kensington Cable slot

Compatibility
- Satellite Pro 6000 series, Tecra 9000 series and Portégé 4000 series

Weight
- 0.9 kg

Dimensions
- 165 x 315 x 48 mm

Warranty
- 1-year international warranty

The Toshiba options and accessories:
Expand your convenience.

Toshiba sets the standard worldwide when it comes to flexibility, innovation and quality in mobile computing. The same goes for all our peripherals and upgrades. Our comprehensive range enables you to equip and configure your Toshiba notebook or PC to suit your exact needs.

5 ways Why choose the options?

- Accessories in a perfect syntonic to the whole Toshiba notebook range
- Increase the functionality and power of your notebook
- To maximise lifespan of the Toshiba notebook range
- A perfect supplement to your needs of hight requirements
- Additional accessories fulfil the criteria of quality, innovation and flexibility

The Toshiba options and accessories

Specifications at a glance

To support the outstanding purchase of the Toshiba computer equipment, we also offer a range of options and accessories which help increase the functionality and power as your needs grow.

General Notebook Options and Accessories

		Please fill in current prices
Bluetooth PC Card	PA3053E-1PCC	
Wireless LAN Access Point	PA3065U-1ETC	
Wireless LAN PC Card	PA3064U-1PCC	
Ethernet PC Card 10/100 Cardbus	PX1032E-1NCO	
Ethernet y-jack PC Card10/100 Cardbus	PX1033E-1NCO	
GlobalPort Cardbus Ethernet Card	PX1010E-1NCO	
GlobalPort ISDN PC Card	PX1011E-1NCO	
Global ISDN PC Card Adaptor	PX1000E-1COM	
Toshiba Innovator Carry Case	PX1034E-1NCA	
Toshiba Pioneer Carry Case	PX1035E-1NCA	
External CD-ROM	2793020/-UK	
External DVD	2793005/-UK	
External CD-RW	2793008/-UK	
Digital Camera PDR-M70	1130017	
Projector TLP-X21	TLP-X21	
Projector TLP-B2	TLP-B2	
Wheel Mouse	PX1043JE-1NAC	
Wireless Keyboard and Mouse	PX1036B-1DAC	
Optical Scroller Mouse	PX1044E-1NAC	
Monitor Stand	PX1008E-1NAC	
Kensington Mirco Saver	2791300	
USB Hub II	2792505	
PS/2 Wheel Mouse	2792502	
Fingerprint PC Card Reader	PA3066E-1PCC	
2 GB PC HDD	PA3079E-1PCC	
Car Adapter	PX1046E-1NPO	

Options Satellite 1800

		Please fill in current prices
64 MB memory module	PA 3004U	
128 MB memory module	PA 3005U	
256 MB memory module	PA 3069U	
Battery pack	PA 3107U	
AC adapter	PA 3048E	
Battery charger	PA 2488E	

Options Satellite 3000

		Please fill in current prices
128 MB memory module	PA 3005U	
256 MB memory module	PA 3086U	
AC adapter	PA 3097E	
Battery pack	PA 3098U	
Module battery pack	PA 3099U	
Module 15 GB HDD	PA 3100U	
Module 30 GB HDD	PA 3101U	
Module DVD-ROM drive	PA 3102E	
Module CD-R/RW drive	PA 3103E	
Module CD-RW/DVD-ROM drive	PA 3104E	

See "The Toshiba Option range" for further options

Options Satellite 5000

		Please fill in current prices
128 MB memory module	PA 3085U	
256 MB memory module	PA 3086U	
AC adapter	PA 3083E	
Battery pack	PA 3123U	

Options Satellite Pro 6000

		Please fill in current prices
128 MB Memory expansion kits	PA3126U-1M12	
256 MB Memory expansion kits	PA3127U-1M25	
Universal 75 W AC adapter	PA3083E-1ACA	
Battery Charger	PA3091E-1CHG	
Back-up Battery Pack	PA3128U-1BRS	
USB diskette drive kit	PA3109U-1FDD	
Slim SelectBay CD-ROM drive	PA3115U-1CDD	
Slim SelectBay DVD-ROM drive	PA3136E-1DVD	
Slim SelectBay CD-R/RW drive	PA3138E-1CD1	
Slim SelectBay CD-RW/DVD-ROM drives	PA3137E-1CD2	
Slim SelectBay secondary Battery Pack	PA3129U-1BRS	
Slim SelectBay Hard disk drive adapter	PA3134U-1ETC	
Slim SelectBay Hard 30 GB HDD	PA3116U-1H30	
Advanced Port Replicator	PA3082E-1PRP	
Bluetooth™ Module Kit	PA3121U-1BTM	
Mini-PCI wireless LAN Module Kit	PA3070U-7MPC	

Options Tecra 8200

		Please fill in current prices
64 MB memory expansion kits	PA3004U	
128 MB memory expansion kits	PA3005U	
256 MB memory expansion kits	PA3051U-1NME	
Keycaps for European languages	PA3006E	
Main battery pack	PA3009U-1BAR	
Secondary battery pack	PA3010U-1BAR	
Universal AC adaptor	PA2444UE	
Battery Charger	PA3011E-1CHG	
NetDock Port Replicator	PA3017E-1PRP	
Expansion Station	PA3018E-1DST	
CardDock	PA3028E-1PRP	
Expansion Station HDD Adaptor	PA3023U-1OTR	
SelectBay CD-ROM drive	PA3015U-1CDD	
SelectBay DVD-ROM drive	PA3014E-2DVD	

See "The Toshiba Option range" for further options

The Toshiba options and accessories

Specifications at a glance

SelectBay CD-RW/DVD-ROM drive	PA3073E-1CD2
SelectBay HDD II adaptor	PA3020U-1OTR
SelectBay 6 GB HDD	PA3012U-1H06
SelectBay 12 GB HDD	PA3027U-1H12
SelectBay 20 GB HDD	PA3056U-1H20
SelectBay SuperDisk (LS120) drive	2793006
SelectBay Zip drive	2794004

Options Tecra 9000 — Please fill in current prices

128 MB memory expansion kits	PA3085U-1M12
256 MB memory expansion kits	PA3086U-1M25
512 MB memory expansion kits	PA3108U-1M51
Universal 75 W AC adaptor	PA3083E-1ACA
Battery Charger	PA3091E-1CHG
Backup battery pack	PA3096U-1BRS
USB Diskette drive	PA3109U-1FDD
Slim Select Bay CD ROM drive	PA3117U-1CDD
Slim Select Bay DVD ROM drive	PA3087E-1DVD
Slim Select Bay CD-RW drive	PA3088E-1CD1
Slim Select Bay CD-RW/DVD-ROM drive	PA3089E-1CD2
Slim Select Bay Secondary Battery Pack	PA3096U-1BRS
Slim Select Bay Hard disk drive adaptor	PA3090U-1ETC
Slim Select Bay 10 GB HDD	PA3113U-1H10
Slim Select Bay 20 GB HDD	PA3115U-1H20
Slim Select Bay 30 GB HDD	PA3116U-1H30
Advanced Port Replicator	PA3082E-1PRP
Bluetooth™ Module Kit	PA3121U-1BTM

Options Portégé 4000 — Please fill in current prices

128 MB memory expansion kit	PA3085U-1M12
256 MB memory expansion kit	PA3086U-1M25
512 MB memory expansion kit	PA3108U-1M51
Universal 75 W AC adaptor	PA3083E-1ACA
Universal 45 W AC adaptor	PA3080E-1ACA
Battery Charger	PA3091E-1CHG
Back-up Battery Pack	PA3084U-1BRS
USB Diskette drive	PA3109U-1FDD
Slim Select Bay CD ROM drive	PA3117U-1CDD
Slim Select Bay DVD ROM drive	PA3087E-1DVD
Slim Select Bay CD-RW drive	PA3088E-1CD1
Slim Select Bay CD-RW/DVD-ROM drive	PA3089E-1CD2
Slim Select Bay secondary Battery Pack	PA3096U-1BRS
Slim Select Bay hard disk drive adaptor	PA3090U-1ETC
Slim Select Bay 10 GB HDD	PA3113U-1H10
Slim Select Bay 20 GB HDD	PA3115U-1H20
Slim Select Bay 30 GB HDD	PA3116U-1H30
Advanced Port Replicator	PA3082E-1PRP

See "The Toshiba Option range" for further options

Server

Options Magnia 510D — Please fill in current prices

PIII 733 MHz 256 KB Cache	UPG3141W
PIII 866 MHz 256 KB Cache	UPG3142W
PIII 1 GHz 256 KB Cache	UPG3143W
128 MB SDRAM unbuffered (PC133)	MMU3112W
256 MB SDRAM unbuffered (PC133)	MMU3113W
512 MB SDRAM unbuffered (PC133)	MMU3114W
9 GB 7200 rpm Ultra 2	DKU3114W
18 GB 7200 rpm Ultra 2	DKU3116W
18 GB 7200 rpm Ultra 160	DKU3120W
18 GB 10000 rpm Ultra 160	DKU3126W
36 GB 10000 rpm Ultra 160	DKU3118W
20 GB 5.4K rpm IDE	DKU3129W
30 GB 7.2K rpm IDE	DKU3121W
45 GB 7.2K rpm IDE	DKU3123W
75 GB 7.2K rpm IDE	DKU3127W
1ch RAID controller kit-D(MR466)	SCI3434W
1ch RAID controller kit-D(MR475)	SCI3436W
SCSI Host Adapter for HDD	SCI1105W
SCSI Host Adapter for HDD	SCI1107W
SCSI Internal Cable	CBL3404W

Options Magnia 3100/3100R — Please fill in current prices

PIII 733 MHz 256 KB Cache	UPG3721W
PIII 866 MHz 256 KB Cache	UPG3722W
PIII 1 GHz 256 KB Cache	UPG3723W
128 MB Registered (PC133)	MMU3531W
256 MB Registered (PC133)	MMU3532W
512 MB Registered (PC133)	MMU3533W
1 GB Registered (PC133)	MMU3534W
36 GB 10000rpm HDD-B (Ultra 160)	DKU3516W
9 GB 7200rpm HDD-C (Ultra 160)	DKU3531W
9 GB 10000rpm HDD-D (Ultra 160)	DKU3532W
18 GB 7200rpm HDD-C (Ultra 160)	DKU3533W
18 GB 10000rpm HDD-D (Ultra 160)	DKU3534W
1ch RAID controller kit-D(MR466)	SCI3434W
MR493 (2ch) RAID Controller KIT-EH2	SCI3435W
MR475(1ch) RAID Controller	SCI3436W
Redundant FAN module	ACS3702W
Redundant Power Supply	APS3531W
Rack Mount Kit	CAB3557W
Autoloader Attachment Kit	ACS3423W
Intel 10/100 Ethernet Network Adapter	BCP3404W
Intel Gigabit Network Adapter	BCP3431W
DDS4 drive	CMT3410W
DDS4 autoloader	CMT3405W
Rack Mount Keyboard	SK3200KB-XX

The Toshiba options and accessories

Specifications at a glance

Options Magnia 3135R		Please fill in current prices
PIII 866 MHz 256 KB Cache	UPG3702W	
PIII 1 GHz 256 KB Cache	UPG3703W	
128 MB Registered (PC133)	MMU3535W	
256 MB Registered (PC133)	MMU3536W	
512 MB Registered (PC133)	MMU3537W	
1 GB Registered (PC133)	MMU3538W	
9 GB 10000 rpm (Ultra 160)	DKU3525W	
18 GB 10000 rpm (Ultra 160)	DKU3526W	
36 GB 10000 rpm (Ultra 160)	DKU3527W	
MR475(1ch) RAID Controller	SCI3436W	
Intel 10/100 Ethernet Network Adapter	BCP3404W	
Intel Gigabit Network Adapter	BCP3431W	
Rack Mount Keyboard	SK3200KB-XX	

Options Magnia Z300		Please fill in current prices
PIII 866 MHz 256 KB Cache	UPG3741W	
PIII 1 GHz 256 KB Cache	UPG3742W	
128 MB Registered (PC133)	MMU3531W	
256 MB Registered (PC133)	MMU3532W	
512 MB Registered (PC133)	MMU3533W	
1 GB Registered (PC133)	MMU3534W	
18 GB 10000rpm (Ultra 160)	DKU3561W	
36 GB 10000rpm (Ultra 160)	DKU3562W	
73 GB 10000rpm (Ultra 160)	DKU3563W	
20 GB IDE 5.4K rpm	DKU3551W	
40 GB IDE 7.2K rpm	DKU3552W	
76 GB IDE 7.2K rpm	DKU3553W	
1ch RAID controller kit-D(MR475)	SCI3436W	
2ch RAID controller kit-D(MR493)	SCI3435W	
HDD Expansion Box for Stack Model	CAB3601W-XX	
HDD Expansion Box for Rack Model	CAB3602W-XX	
IO Device Expansion Box for Stack Model	CAB3611W-XX	
IO Device Expansion Box for Rack Model	CAB3612W-XX	
Rack Mount Tray	ACS3471W	
Rack Dummy Box	ACS3472W	
DDS4 drive	CMT3410W	
DDS4 autoloader	CMT3405W	
Rack Mount Keyboard	SK3200KB-XX	

Options Magnia 7100/7100R		Please fill in current prices
PIIIXeon 700 MHz 1 MB cache	UPG3731W	
PIIIXeon 700 MHz 2 MB cache	UPG3732W	
PIIIXeon 900 MHz 2 MB cache	UPG3733W	
512 MB Memory (128 MB SDRAM x 4)	MMU3521W	
1 GB Memory (256 MB SDRAM x 4)	MMU3522W	
2 GB Memory (512 MB SDRAM x 4)	MMU3523W	
4 GB Memory (1 GB SDRAM x 4)	MMU3524W	
36 GB 10000rpm HDD-B (Ultra 160)	DKU3516W	
9 GB 7200rpm HDD-C (Ultra 160)	DKU3531W	
9 GB 10000rpm HDD -D (Ultra 160)	DKU3532W	
18 GB 7200rpm HDD-C (Ultra 160)	DKU3533W	
18 GB 10000rpm HDD-D (Ultra 160)	DKU3534W	
2ch 16 MB RAID controller kit-C2(MR438)	SCI3433W	
2ch 64 MB RAID controller kit-C2H(MR438)	SCI3433X	
64 MB cache for RAID controller C2	ACS3416W	
MR493 (2ch) RAID Controller KIT-EH2	SCI3435W	
Second HDD cage	CAB3528W	
Redundant FAN module	ACS3701W	
Redundant Power Supply	APS3701W-XX	
Rack Mount Kit	CAB3558W	
Intel 10/100 Ethernet Network Adapter	BCP3404W	
Intel Gigabit Network Adapter	BCP3431W	
DDS4 drive	CMT3410W	
DDS4 autoloader	CMT3405W	
Rack Mount Keyboard	SK3200KB-XX	

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